ATTACHMENT

5

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.

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Governor

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Commissioner

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PART 70 OPERATING PERMIT RENEWAL
OFFICE OF AIR QUALITY

Essroc Cement Corporation
State Road 25 South, 3084 West County Road 225 South
Logansport, Indiana 46947

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No. T017-26351-00005	
Issued by: Original signed by: Chrystal A. Wagner, Section Chief Permits Branch Office of Air Quality	Issuance Date: November 8, 2010 Expiration Date: November 8, 2015

Administrative Amendment No. 017-30235-00005, issued on March 16, 2011
Significant Permit Modification No. 017-31724-00005, issued on August 7, 2012

Administrative Amendment No. 017-32431-00005	
Issued by: Nathan Bell, Section Chief Permits Branch Office of Air Quality	Issuance Date: Expiration Date: November 8, 2015

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Attachment D - 40 CFR 63, Subpart EEE - National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors

Attachment E - 40 CFR 63, Subpart LLL - National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry as published at 64 FR 31925-31962 (June 14, 1999), as amended at 64 FR 53070 (Sept. 30 1999), 67 FR 16619-16624 (April 5, 2002), 67 FR 44769 (July 5, 2002), 67 FR 72584-72585 (Dec. 6, 2002), 68 FR 37358 (June 23, 2003), 71 FR 76549-76552 (Dec. 20, 2006)

Attachment F - 40 CFR Part 63, Subpart LLL - National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry as published at 64 FR 31925-31962 (June 14, 1999), as amended at 64 FR 53070 (Sept. 30 1999), 67 FR 16619-16624 (April 5, 2002), 67 FR 44769 (July 5, 2002), 67 FR 72584-72585 (Dec. 6, 2002), 68 FR 37358 (June 23, 2003), 71 FR 76549-76552 (Dec. 20, 2006), 75 FR 55051-55066 (Sept. 9, 2010), and 76 FR 2835-2837 (Jan. 18, 2011)

SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 - General Information through A.3 - Specifically Regulated Insignificant Activities and the description boxes in Sections D is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(14)] [326 IAC 2-7-1(22)]

The Permittee owns and operates a portland cement manufacturing plant.

Source Address:	State Road 25 South, 3084 West County Road 225 South, Logansport, Indiana 46947
General Source Phone Number:	(574) 753-5121
SIC Code:	3241
County Location:	Cass
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD Rules Major Source, Section 112 of the Clean Air Act 1 of 28 listed source categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(14)]

This stationary source consists of the following emission units and pollution control devices:

Quarry Activities

(1) Drilling and blasting, identified as EU101 and EU102 respectively, commenced operation in 1961, with associated fugitive particulate matter (PM) emissions.

Raw Material / Clinker Stockpile Operations

(2) One (1) limestone stockpile, identified as EU103, created in 1961.

(3) Two (2) reclaimed clay stockpiles, identified as EU104 and EU105, created in 1961.

(4) Two (2) wet flyash stockpiles, identified as EU106 and EU107, created in 1967.

(5) Carhoe Missouri clay unloading, identified as EU108, created in 1962.

(6) Truck to quarry loading, identified as EU109, commenced operation in 1961.

(7) One (1) Mo. clay stockpile, identified as EU110, created in 1962.

(8) One (1) alternate materials stockpile, identified as EU111, created in 1967.

(9) One (1) overburden clay stockpile, identified as EU128, created in 1962.

(10) One (1) iron stockpile, identified as EU301, created in 1967.

(11) Iron unloading, identified as EU302, commenced operation in 1967.

(12) One (1) gypsum stockpile, identified as EU303, created in 1962.

(13) Gypsum unloading, identified as EU304, created in 1962.

(14) One (1) coal/coke stockpile, identified as EU305, created in 1962.

(15) Coal/coke unloading, identified as EU306, commenced operation in 1962.

(16) One (1) coal/coke crane storage stockpile, located outside, identified as EU312, created in 1962.

(17) Coal/coke unloading, identified as EU313, commenced operation in 1962.

(18) West clinker stockpiles, identified as EU512, created in 1962.

(19) Special clinker stockpile, identified as EU513, created in 1962.

(20) Clinker loading, identified as EU514, commenced operation in 1962.

(21) Special clinker stockpile (crushed), identified as EU515, created in 1962.

Raw Material Sizing Operations

(22) Raw material loading, identified as EU112, commenced operation in 1962.

(23) Raw material unloading, identified as EU114, commenced operation in 1962.

(24) One (1) apron feeder transfer to primary crusher, identified as EU115, constructed in 1961, with a nominal throughput of 550 tons per hour.

(25) One (1) primary crusher, identified as EU116, constructed in 1961, with a nominal capacity of 550 tons per hour, with PM emissions controlled by one (1) baghouse, identified as baghouse 101 (CE101), and exhausting to one (1) stack, identified as EP101.

(26) One (1) clean-up screw, identified as EU117, constructed in 1961, with a nominal capacity of 15 tons per hour.

(27) One (1) impact apron feeder, identified as EU118, constructed in 1961, with a nominal capacity of 550 tons per hour, with emissions controlled by one (1) baghouse, identified as baghouse 101 (CE101), and exhausting to one (1) stack, identified as EP101.

(28) Belt 1 covered conveyor, identified as EU119, constructed in 1962, with a nominal capacity of 550 tons per hour, with emissions controlled by two baghouses, identified as baghouse 101 (CE101) and baghouse 102 (CE102) (replaced in 2008), and exhausting to two (2) stacks, identified as EP101 and EP102, respectively.

(29) Screen transfers, identified as EU120, constructed in 1962, with a nominal capacity of 550 tons per hour.

(30) Belt 2 covered conveyor, identified as EU121, constructed in 1962, with a nominal capacity of 300 tons per hour.

(31) One (1) secondary crusher, identified as EU122, constructed in 1969, with a nominal capacity of 300 tons per hour, with PM emissions controlled by one (1) baghouse,

identified as baghouse 102 (CE102) (replaced in 2008), and exhausting to one (1) stack, identified as EP102.

(32) Belt 3 covered conveyor, identified as EU201, constructed in 1962, with a nominal capacity of 550 tons per hour.

Kiln #1 Recycled CKD Operations

(33) #1 recycled dust elevator, identified as EU408, constructed in 1965, with emissions controlled by a baghouse, identified as baghouse 106 (CE402), and exhausting to one (1) stack, identified as EP402.

(34) One (1) recycled dust holding tank, identified as EU409, and constructed in 1965.

(35) One (1) feeder screw and F-K pump, identified as EU410, constructed in 1965, with emissions controlled by a baghouse, identified as baghouse 106 (CE402), and exhausting to one (1) stack, identified as EP402.

Kiln #1 Waste CKD Operations

(36) Five (5) discharge hopper screws, identified as EU402, constructed in 1965.

(37) One (1) covered 16" cross screw, identified as EU403, constructed in 1965.

(38) One (1) #1 waste dust elevator, identified as EU404, constructed in 1965.

(39) One (1) 9" cross screw, identified as EU405, constructed in 1965.

Kiln #2 Recycled CKD Operations

(40) #2 recycled dust elevator, identified as EU417, constructed in 1965, with emissions controlled by a baghouse, identified as baghouse 106 (CE402), and exhausting to one (1) stack, identified as EP402.

(41) One (1) recycled dust holding tank, identified as EU418, constructed in 1965.

(42) One (1) feeder screw and F-K pump, identified as EU419, constructed in 1965, with emissions controlled by a baghouse, identified as baghouse 106 (CE402), and exhausting to one (1) stack, identified as EP402.

Kiln #2 Waste CKD Operations

(43) Five (5) discharge hopper screws, identified as EU414, constructed in 1965.

(44) 16" covered cross screws, identified as EU415, constructed in 1965.

(45) #2 waste dust elevator, identified as EU416, constructed in 1965.

Waste CKD Disposal Operations

(46) Truck loading, identified as EU407, commenced operation in 1962.

(47) One (1) cement kiln dust pile, identified as EU423, commenced operation in 1962.

Clay Processing Operations

(48) Clay unloading to hopper, identified as EU123, commenced operation in 1962, with a nominal capacity of 30 tons per hour.

(49) One (1) wobbler feeder for transferring clay to the log washer system, identified as EU124, constructed in 1962, with a nominal capacity of 30 tons per hour.

(50) One (1) log washer system, identified as EU125, constructed in 1962, with a nominal capacity of 30 tons per hour.

(51) One (1) waste gravel pile, identified as EU126, created in 1962.

(52) Loading waste gravel into trucks, identified as EU127, commenced operation in 1962.

Crane Storage Facilities

(53) Three (3) limestone storage bins, identified as EU202, constructed in 1962.

(54) One (1) Missouri clay storage bin, identified as EU203, constructed in 1962.

(55) One (1) iron storage bin, identified as EU204, constructed in 1962.

(56) West flyash truck unloading utilizing pneumatic conveying, identified as EU210, including tank 9, commenced operation in 1962, with a nominal storage capacity of 100 tons, tank 10 with a nominal storage capacity of 100 tons, tank 11 with a nominal storage capacity of 125 tons, and tank 12 with a nominal storage capacity of 125 tons, with emissions controlled by a baghouse, identified as baghouse 138 (CE202) (replaced in 2008), and exhausting to one (1) stack, identified as EP202.

(57) One (1) inside west flyash holding tank, identified as EU211, with a nominal storage capacity of 130 tons, constructed in 1962, with emissions controlled by a baghouse, identified as baghouse 104 (CE203), and exhausting to one (1) stack, identified as EP203.

(58) East flyash truck unloading utilizing pneumatic conveying, identified as EU213, commenced operation in 1962, with emissions controlled by a baghouse, identified as baghouse 103 (CE204), and exhausting to one (1) stack, identified as EP204.

(59) One (1) east flyash storage bin, identified as EU214, constructed in 1962.

(60) One (1) spare storage bin, identified as EU314, constructed in 1962.

(61) One (1) coal/coke storage bin, identified as EU315, constructed in 1962.

(62) Two (2) gypsum storage bins, identified as EU316, constructed in 1962.

(63) Clinker bin 1 finish mill #1, identified as EU505, constructed in 1962.

(64) Stone/clinker bin 2 finish mill #1, identified as EU506, constructed in 1962.

(65) Clinker bin 3 finish mill #1, identified as EU507, constructed in 1962.

(66) Crane unloading, identified as EU510, commenced operation in 1962.

(67) Clinker bin 1 #2 finish mill, identified as EU520, constructed in 1962.

(68) Clinker bin 2 #2 finish mill, identified as EU521, constructed in 1962.

(69) Bin 1 clinker spill pile, identified as EU522, constructed in 1962.

Raw Mill Facilities

(70) Three belt feeders, identified as EU205, constructed in 1962, with a nominal capacity of 45 tons per hour.

(71) One (1) Missouri clay belt feeder, identified as EU206, constructed in 1962, with a nominal capacity of 45 tons per hour.

(72) One (1) iron feeder, identified as EU207, constructed in 1962, with a nominal capacity of 45 tons per hour.

(73) One (1) covered cross belt, identified as EU208, constructed in 1962, with a nominal capacity of 45 tons per hour.

(74) One (1) covered raw mill feed belt, identified as EU209, constructed in 1962, with a nominal capacity of 175 tons per hour, with emissions controlled by a baghouse, identified as baghouse 105 (CE201), and exhausting to one (1) stack, identified as EP201.

(75) Transfer screw to raw mill, identified as EU212, constructed in 1962, with a nominal capacity of 15 tons per hour.

(76) One (1) east short covered screw, identified as EU215, constructed in 1962, with a nominal capacity of 15 tons per hour.

(77) One (1) E-W long covered screw, identified as EU216, constructed in 1962, with a nominal capacity of 15 tons per hour, with particulate matter emissions controlled by one (1) baghouse, identified as baghouse 105 (CE201), and exhausting to one (1) stack, identified as EP201.

Unloading Station Facilities

(78) Railroad unloading, identified as EU307, commenced operation in 1962.

(79) Two (2) unloading station hoppers, identified as EU308a and EU308b, constructed in 1962.

(80) One (1) belt feeder, identified as EU309, constructed in 1962.

(81) Belt 7 covered conveyor, identified as EU310, constructed in 1962.

(82) Conveyor transfer to outside storage, identified as EU311, constructed in 1962.

(83) Crane unloading, identified as EU325, constructed in 1962.

Fossil Fuel Facilities

(84) One (1) spare belt feeder to belt 8, identified as EU317, constructed in 1962.

(85) One (1) coal/coke belt feeder to belt 8, identified as EU318, constructed in 1962.

(86) Belt 8 to coal/coke tanks, identified as EU319, constructed in 1962.

(87) One (1) coal/coke tank #1, identified as EU320, constructed in 1962.

(88) Belt feed to coal mill #1, identified as EU321, constructed in 1962.

(89) Coal/Coke cross belt, identified as EU322, constructed in 1962.

(90) One (1) coal/coke tank #2, identified as EU323, constructed in 1962.

(91) Belt feed to coal mill #2, identified as EU324, constructed in 1962.

Kiln #1 Clinker Handling Facilities

(92) One (1) #1 clinker drag conveyor, identified as EU501, constructed in 1962, with emissions controlled by a baghouse, identified as baghouse 109 (CE501), and exhausting to one (1) stack, identified as EP501.

(93) #1 CCDC screws, identified as EU502, constructed in 1962.

(94) #1 clinker elevator, identified as EU503, constructed in 1962, with emissions controlled by a baghouse, identified as baghouse 109 (CE501), and exhausting to one (1) stack, identified as EP501.

(95) Clinker conveyor transfer system, identified as EU504, constructed in 1962 and modified in 1975, with emissions controlled by two (2) baghouses, identified as baghouses 110 (CE502) and 140 (CE804), and exhausting to two (2) stacks, identified as EP502 and EP804, respectively.

Kiln #2 Clinker Handling Facilities

(96) #2 clinker drag conveyor, identified as EU516, constructed in 1964, with emissions controlled by two (2) baghouses, identified as baghouse 112 (CE503) and baghouse 113 (CE504), and exhausting to two (2) stacks, identified as EP503 and EP504, respectively.

(97) #2 CCDC screw conveyor, identified as EU517 constructed in 1964.

(98) #2 clinker elevator, identified as EU518, constructed in 1964, with emissions controlled by two (2) baghouses, identified as baghouse 112 (CE503) and as baghouse 113 (CE504), and exhausting to two (2) stacks, identified as EP503 and EP504, respectively.

(99) Clinker conveyor transfer system circuit, identified as EU519, constructed in 1964, with emissions controlled by two (2) baghouses, identified as baghouses 113 (CE504) and 141 (CE805), and exhausting to two (2) stacks, identified as EP504 and EP805, respectively.

Finish Mill #1 Facilities

(100) Clinker bin #1 feeder, identified as EU508, constructed in 1962.

(101) Stone/clinker bin 2 feeder, identified as EU509, constructed in 1962.

(102) One (1) gypsum feed belt, identified as EU511, constructed in 1962.

(103) One (1) finish mill #1 feed belt, identified as EU601, constructed in 1962, with a nominal capacity of 45.0 tons per hour, with PM emissions controlled by one (1) baghouse,

identified as baghouse 114 (CE601), and exhausting to one (1) stack, identified as EP601.

(104) One (1) finish mill #1 circuit, identified as EU602, constructed in 1962, with emissions controlled by a baghouse, identified as baghouse 116 (CE602), and exhausting to one (1) stack, identified as EP602.

(105) One (1) separator, cooler #1 and transfer, identified as EU603, constructed in 1962, with emissions controlled by a baghouse, identified as baghouse 115 (CE603), and exhausting to one (1) stack, identified as EP603.

Finish Mill #2 Facilities

(106) Clinker bin 1 feeder, identified as EU523, constructed in 1964.

(107) Clinker bin 2 feeder, identified as EU524, constructed in 1964.

(108) FM #2 gypsum feeder, identified as EU525, constructed in 1964.

(109) One (1) finish mill #2 feed belt, identified as EU604, constructed in 1964, with a nominal capacity of 45.0 tons per hour, with PM emissions controlled by two (2) baghouses, identified as baghouses 117a (CE604a) and 117b (CE604b), respectively, and exhausting to two (2) stacks, identified as EP604a and EP604b, respectively.

(110) One (1) finish mill #2 circuit, identified as EU605, constructed in 1964, with emissions controlled by a baghouse, identified as baghouse 119 (CE605), and exhausting to one (1) stack, identified as EP605.

(111) One (1) separator, cooler #2 and transfer, identified as EU606, constructed in 1964, with emissions controlled by a baghouse, identified as baghouse 118 (CE606), and exhausting to one (1) stack, identified as EP606.

Finish Product Silo Storage Facilities

(112) Silos 11/12/13/14/15/16/17/18, identified as EU704, constructed in 1965 and approved in 2012 to be operated two ways. First scenario, silos 11/12/13/14/15/16/17/18 emissions will be controlled by both baghouses, identified as baghouse 126 (CE704), and exhausting to one (1) stack, identified as EP704 and baghouse, identified as baghouse 144 (CE905), and exhausting to one (1) stack, identified as EP905. Second operating scenario, is to isolate the connecting vent for silos 15/18 from the remaining silos, 11/12/13/14/16/17. Silos 15/18 emissions will be controlled by baghouse, identified as baghouse 144 (CE905) and silos 11/12/13/14/16/17 will be controlled by baghouse 126 (CE704).

(113) Silos 1/2/3/4/5/6/7, identified as EU709, constructed in 1961, with emissions controlled by a baghouse, identified as baghouse 122 (CE709), and exhausting to one (1) stack, identified as EP709.

(114) Silos 8/9/10, identified as EU711, constructed in 1961, with emissions controlled by a baghouse, identified as baghouse 124 (CE711), and exhausting to one (1) stack, identified as EP711.

Finish Product Silo Transfer Operations

(115) Truck/Railroad car unloading and internal transfers to silos, identified as EU701 and EU702, commenced operation in 1962, with emissions from EU701 controlled by one (1)

baghouse, identified as baghouse 132 (CE701), and emissions from EU702 controlled by one (1) baghouse, identified as baghouse 133 (CE702), and exhausting to two (2) stacks, identified as EP701 and EP702, respectively.

Finish Product Loadout Old Silos (West) Operation

(116) West bulk truck loadout, identified as EU712, constructed in 1962, with emissions controlled by a baghouse, identified as baghouse 129 (CE712), and exhausting to one (1) stack, identified as EP712.

(117) Bulk railroad loadout, identified as EU713, constructed in 1962, with emissions controlled by a baghouse, identified as baghouse 130 (CE713), and exhausting to one (1) stack, identified as EP713.

Finish Product Loadout New Silos (East) Operation

(118) East bulk truck loadout, identified as EU706, constructed in 1965, with emissions controlled by a baghouse, identified as baghouse 131 (CE706), and exhausting to one (1) stack, identified as EP706.

Finish Product Masonry Packing

(119) Transfer to masonry packer, identified as EU801, constructed in 1965, with emissions controlled by two (2) baghouses, identified as baghouses 128 (CE801) and 139 (CE802), and exhausting to two (2) stacks, identified as EP801 and EP802, respectively.

(120) One (1) masonry packer, identified as EU802, constructed in 1965, with emissions controlled by a baghouse, identified as baghouse 128 (CE801), and exhausting to one (1) stack, identified as EP801.

(121) Transfer to pallets/storage (masonry), identified as EU803, constructed in 1965.

Finish Product Portland Packing

(122) Transfer to portland packer, identified as EU804, constructed in 1962, with emissions controlled by a baghouse, identified as baghouse 127 (CE803), and exhausting to one (1) stack, identified as EP803.

(123) One (1) portland packer, identified as EU805, constructed in 1962, with emissions controlled by a baghouse, identified as baghouse 127 (CE803), and exhausting to one (1) stack, identified as EP803.

(124) Transfer to pallets/storage (portland), identified as EU806, constructed in 1962.

Kiln #1 and Kiln #2 Facilities

(125) One (1) wet process rotary cement kiln #1, identified as EU401, constructed in 1962, with a nominal heat input of 245 million Btu per hour, with a nominal production rate of 42.0 tons per hour (as clinker), with PM emissions controlled by one (1) baghouse, identified as Baghouse CE401, approved for construction in 2007, and exhausting to one (1) stack, identified as EP401. Raw material sources include clay, sand, limestone, and other sources of silica, alumina, iron, calcium, magnesium, and trace elements. As part of the semi-direct firing system, a pulverizing mill is used to grind the solid fuels that are used in the kiln. The pulverizing mill exhausts to the kiln.

(126) One (1) wet process rotary cement kiln #2, identified as EU413, constructed in 1964, with a nominal heat input of 245 million Btu per hour, with a nominal production rate of 42.0 tons per hour (as clinker), with PM emissions controlled by one (1) electrostatic precipitator (ESP #2), identified as CE402, approved to be replaced by a baghouse, identified as Baghouse CE405, approved for construction in 2007, and exhausting to one (1) stack, identified as EP401. Raw material sources include clay, sand, limestone, and other sources of silica, alumina, iron, calcium, magnesium, and trace elements. As part of the semi-direct firing system, a pulverizing mill is used to grind the solid fuels that are used in the kiln. The pulverizing mill exhausts to the kiln.

Clinker Cooler #1 Facilities

(127) One (1) clinker cooler #1, identified as EU412, constructed in 1962, with a nominal production rate of 42.0 tons per hour, with PM emissions controlled by one (1) baghouse, identified as baghouse 107 (CE404), and exhausting to one (1) stack, identified as EP404.

Clinker Cooler #2 Facilities

(128) One (1) clinker cooler #2, identified as EU421, constructed in 1962, with a nominal production rate of 42.0 tons per hour, with PM emissions controlled by one (1) baghouse, identified as baghouse 111 (CE407), and exhausting to one (1) stack, identified as EP404.

CKD –To-Finish Mill (CKD2FM) Recycling Operations

(129) One (1) waste dust tank, constructed in 1962, modified in 2006 with the addition of one (1) CKD2FM surge system, collectively identified as EU406, with emissions controlled by a baghouse, constructed in 2006, identified as baghouse 142 (CE901), and exhausting to one (1) stack, identified as EP901.

(130) One (1) CKD2FM recycling storage tank system, identified as EU902, constructed in 2006, with particulate emissions controlled by one (1) baghouse, identified as baghouse 143 (CE902), and exhausting to one (1) stack, identified as EP902.

(131) One (1) CKD2FM #1 FM recycling system, identified as EU903, constructed in 2006.

(132) One (1) CKD2FM #2 FM recycling system, identified as EU904, constructed in 2006.

Hazardous Waste Derived Fuel System Operations

(133) Four (4) liquid hazardous waste-derived fuel storage tanks, approved for construction in 2010, identified collectively as EU906, with maximum capacities of 39,800 gallons each, vented to one (1) activated carbon canister system or the kiln/cooler for VOC control.

(134) One (1) bulk solids management system, approved for construction in 2010, consisting of:

(i) One (1) feed hopper and two (2) augers contained inside the solids management building and two (2) screw conveyors, collectively identified as EU908, and all associated equipment with VOC emissions routed to the kiln/cooler for VOC control; and

(ii) One (1) hydrapulper tank with a maximum capacity of 3,750 gallons and one (1) level control tank with a maximum capacity of 3,500 gallons, collectively identified

as EU907 with all associated equipment, vented to one (1) activated carbon canister system or the kiln/cooler for VOC control.

Haul Roads

(135) Numerous hauls roads, collectively identified as EU900.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(14)]

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

(1) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6 including one parts washer constructed in 1991.

(2) Hazardous Waste fuel facility

- (A) Waste Management Units
  - (i) Ten (10) hazardous waste-derived fuel storage tanks, installed in 1987 and 1994, with capacities ranging from 22,000-39,000 gallons. All tanks are connected to an integrated emission control system.
  - (ii) Carbon Steel Piping System
  - (iii) Tank Rail Cars and Trucks
- (B) Equipment components
  - (i) Valves
  - (ii) Pumps
  - (iii) AWFCO Valves
- (C) Caps (hose end covers)
- (D) Flanges
- (E) Manways
- (F) Flame Arrestors
- (G) Filter Pots
- (H) Micro-motion Flow Meters
- (I) Level Transmitters
- (J) Pressure Indicators
- (K) Pressure Transmitters
- (L) Emergency Conservation Vent
- (M) Carbon Canister VOC Monitor
- (N) Tank Emergency Relief Ports
- (O) High Level Probes
- (P) Activated Carbon Canister System

(3) Three (3) natural gas-fired boilers, collectively identified as EU909, utilizing low-NO_X burners, approved for construction in 2010, with a total maximum heat input capacity of 1.8 MMBtu/hr.

(4) Other emission units or activities with potential uncontrolled emissions below the insignificant threshold levels.

- (A) Raw mill #1 and Raw mill #2

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

(a) It is a major source, as defined in 326 IAC 2-7-1(22); and

(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-7-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

B.2 Permit Term [326 IAC 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)][IC 13-15-3-6(a)]

(a) This permit, T017-26351-00005, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

(b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

B.3 Term of Conditions [326 IAC 2-1.1-9.5]

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

(a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or

(b) the emission unit to which the condition pertains permanently ceases operation.

B.4 Enforceability [326 IAC 2-7-7] [IC 13-17-12]

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.5 Severability [326 IAC 2-7-5(5)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

This permit does not convey any property rights of any sort or any exclusive privilege.

B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

(a) A certification required by this permit meets the requirements of 326 IAC 2-7-6(1) if:

(i) it contains a certification by a "responsible official", as defined by 326 IAC 2-7-1(34), and

(ii) the certification states that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

(c) A "responsible official" is defined at 326 IAC 2-7-1(34).

B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than July 1 of each year to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

(b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

(c) The annual compliance certification report shall include the following:

(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and

(5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(12)][326 IAC 1-6-3]

(a) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

The Permittee shall implement the PMPs.

(b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

The Permittee shall implement the PMPs.

(c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

(d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.11 Emergency Provisions [326 IAC 2-7-16]

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865

(5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

(6) The Permittee immediately took all reasonable steps to correct the emergency.

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(8) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

(g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

B.12 Permit Shield [326 IAC 2-7-15][326 IAC 2-7-20][326 IAC 2-7-12]

(a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

(b) In addition to the nonapplicability determinations set forth in Section D of this permit, the IDEM, OAQ has made the following determinations regarding this source:

(1) None of the storage tanks listed in Section A.3 - Specifically Regulated Insignificant Activities of this permit are subject to the NSPS 326 IAC 12, 40 CFR 60.110b (Subpart Kb) because the tanks have capacities less than 19,815 gallons, or do not contain a substance categorized as volatile organic liquid (VOL), or have capacities between 19,815 gallons and 39,900 gallons storing a liquid with a maximum true vapor pressure less than 15.0 kPa.

(2) The quarry activities and the raw material sizing facilities listed in Section D.1 of this permit are not subject to the requirements of the NSPS 326 IAC 12, 40 CFR 60.670 (Subpart OOO) because they were constructed prior to the applicability date of August 31, 1983.

(3) None of the facilities listed in Sections D.2, D.3, and D.4 of this permit are subject to the requirements of the NSPS 326 IAC 12, 40 CFR 60.670 (Subpart OOO) because this rule specifically exempts facilities that are subject to the requirements of the NSPS, 40 CFR 60.60 (Subpart F), and facilities which follow in the plant process any facility which is subject to the requirements of the NSPS, 40 CFR 60.60 (Subpart F).

(4) None of the facilities listed in this permit are subject to the requirements of the NSPS 326 IAC 12, 40 CFR 60.730 (Subpart UUU) because the source does not fit the definition of a mineral processing plant.

(5) None of the facilities listed in Section D.2 are subject to the requirements of the New Source Performance Standards (NSPS), 40 CFR 60, Subparts A and F (Standards of Performance for Portland Cement Plants). The truck unloading facilities (EU210 and EU213) were previously subject to the applicable requirements of 40 CFR 60, Subpart F. However, they are no longer subject since they are currently subject to the applicable requirements of 40 CFR 63, Subpart LLL (National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry).

(6) The open/unenclosed material stockpiles listed in Section D.2, and any associated haul roads, are not subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) from the Portland Cement Manufacturing Industry, 40 CFR 63, Subparts A and LLL.

(7) The kilns #1 and #2 listed in Section D.3 are not subject to the requirements of the New Source Performance Standards (NSPS), 40 CFR 60, Subparts A and F (Standards of Performance for Portland Cement Plants) because they were constructed prior to the applicability date of August 17, 1971.

(8) The clinker cooler #1 listed in Section D.4 is not subject to the requirements of the New Source Performance Standards (NSPS), 40 CFR 60, Subparts A and F (Standards of Performance for Portland Cement Plants) because it was constructed prior to the applicability date of August 17, 1971 and has not been modified since the applicability date. Clinker cooler #2, listed in Section D.4, was previously subject to the applicable requirements of 40 CFR 60, Subpart F. However, 40 CFR 60, Subpart F is no longer applicable since clinker cooler #2 is currently subject to the applicable requirements of 40 CFR 63, Subpart LLL (National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry).

(9) None of the parts washers specifically listed in Section D.5 are subject to the requirements of the National Emissions Standards for Hazardous Air Pollutants (NESHAP) 326 IAC 20-1, 40 CFR 63.460 (Subpart T) because they do not utilize a solvent containing methylene chloride, perchloroethylene, trichloroethylene, 1,1,1-trichloroethane, carbon tetrachloride, or chloroform, or any combination of these halogens, in a total concentration greater than five percent by weight.

(c) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a

compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

(d) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

(e) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

(2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and

(4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

(f) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

(g) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]

(h) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]

(a) All terms and conditions of permits established prior to T017-26351-00005 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

(2) revised under 326 IAC 2-7-10.5, or

(3) deleted under 326 IAC 2-7-10.5.

(b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this part 70 operating permit.

B.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]

(c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.16 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(b) A timely renewal application is one that is:

(1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

(2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the

document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-7-4(a)(2)(D), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.17 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]

(a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.18 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]

(a) No Part 70 permit revision or notice shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

(b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.19 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b) or (c) without a prior permit revision, if each of the following conditions is met:

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;

(3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b) or (c). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-7-20(b)(1) and (c)(1).

(b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

(1) A brief description of the change within the source;

(2) The date on which the change will occur;

(3) Any change in emissions; and

(4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

(c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).

(d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

(e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.20 Source Modification Requirement [326 IAC 2-7-10.5]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2.

B.21 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

(a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.22 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The application which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.

(b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.24 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-7-5(1)]

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any manufacturing process, as defined at 326 IAC 6-3-1.5(2), not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-1 (Applicability) and 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator except as provided in 326 IAC 4-2 or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.

C.5 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

C.6 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted. The provisions of 326 IAC 1-7-1(3), 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4, and 326 IAC 1-7-5(a), (b), and (d) are not federally enforceable.

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

The Permittee shall comply with the applicable requirements of 326 IAC 14-10, 326 IAC 18, and 40 CFR 61.140.

Testing Requirements [326 IAC 2-7-6(1)]

C.8 Performance Testing [326 IAC 3-6]

(a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.9 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]

C.10 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)][40 CFR 64][326 IAC 3-8]

(a) Unless otherwise specified in this permit, for all monitoring and requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or ninety (90) days of initial start-up, whichever is later, to begin such monitoring. If due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days from the date of permit issuance or of initial startup, whichever is later,, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a source modification shall be implemented when operation begins.

(b) For monitoring required by CAM, at all times, the Permittee shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

(c) For monitoring required by CAM, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the Permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

C.11 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

(a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.

(b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

Corrective Actions and Response Steps [326 IAC 2-7-5][326 IAC 2-7-6]

C.12 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

(a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on February 26, 1980.

(b) Upon direct notification by IDEM, OAQ , that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.13 Risk Management Plan [326 IAC 2-7-5(11)] [40 CFR 68]

If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

C.14 Response to Excursions or Exceedances [40 CFR 64][326 IAC 3-8] [326 IAC 2-7-5] [326 IAC 2-7-6]

(a) Upon detecting an excursion where a response is required by the D Section or an exceedance of a limitation in this permit:

(1) the Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.

(2) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:

(i) initial inspection and evaluation;

(ii) recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system); or

(iii) any necessary follow-up actions to return operation to normal or usual manner of operation.

(3) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:

(i) monitoring results;

(ii) review of operation and maintenance procedures and records; and/or

(iii) inspection of the control device, associated capture system, and the process.

(4) Failure to take reasonable response steps shall be considered a deviation from the permit.

(5) The Permittee shall record the reasonable response steps taken.

(b) CAM Response to excursions or exceedances.

(1) Upon detecting an excursion or exceedance, subject to CAM, the Permittee shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

(2) Determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.

(c) If the Permittee identifies a failure to achieve compliance with an emission limitation, subject to CAM, or standard, subject to CAM, for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the Permittee shall promptly notify the IDEM, OAQ and, if necessary, submit a proposed significant permit modification to this permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

(d) Based on the results of a determination made under paragraph (II)(a)(2) of this condition, the EPA or IDEM, OAQ may require the Permittee to develop and implement a QIP. The Permittee shall develop and implement a QIP if notified to in writing by the EPA or IDEM, OAQ.

(e) Elements of a QIP:
The Permittee shall maintain a written QIP, if required, and have it available for inspection. The plan shall conform to 40 CFR 64.8 b (2).

(f) If a QIP is required, the Permittee shall develop and implement a QIP as expeditiously as practicable and shall notify the IDEM, OAQ if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

(g) Following implementation of a QIP, upon any subsequent determination pursuant to paragraph (II)(a)(2) of this condition the EPA or the IDEM, OAQ may require that the Permittee make reasonable changes to the QIP if the QIP is found to have:

(1) Failed to address the cause of the control device performance problems; or

(2) Failed to provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(h) Implementation of a QIP shall not excuse the Permittee from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act.

(i) CAM recordkeeping requirements.

(1) The Permittee shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to paragraph (II)(a)(2) of this condition and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under this condition (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Section C - General Record Keeping Requirements of this permit

contains the Permittee's obligations with regard to the records required by this condition.

(2) Instead of paper records, the owner or operator may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements.

C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.

(b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline.

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

C.16 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

Pursuant to 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

(1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);

(2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

The emission statement does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

C.17 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2][326 IAC 2-3]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. Support information includes the following:

(1) All calibration and maintenance records.

(2) All original strip chart recordings for continuous monitoring instrumentation.

(3) Copies of all reports required by the Part 70 permit.

Records of required monitoring information include the following:

(1) The date, place, as defined in this permit, and time of sampling or measurements.

(2) The dates analyses were performed.

(3) The company or entity that performed the analyses.

(4) The analytical techniques or methods used.

(5) The results of such analyses.

(6) The operating conditions as existing at the time of sampling or measurement.

These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

(c) If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A), 40 CFR 51.165(a)(6)(vi)(B), 40 CFR 51.166(r)(6)(vi)(a), and/or 40 CFR 51.166(r)(6)(vi)(b)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:

(1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll)) at an existing emissions unit, document and maintain the following records:

(A) A description of the project.

(B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.

(C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:

(i) Baseline actual emissions;

(ii) Projected actual emissions;

(iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1 (mm)(2)(A)(iii); and

(iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.

(d) If there is a reasonable possibility (as defined in 40 CFR 51.165(a)(6)(vi)(A) and/or 40 CFR 51.166(r)(6)(vi)(a)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:

(1) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and

(2) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.18 General Reporting Requirements [40 CFR 64][326 IAC 3-8] [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exist independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34). A deviation is an exceedance of a permit limitation or failure to comply with a requirement of the permit.

On and after the date by which the Permittee must use monitoring that meets the requirements of 40 CFR Part 64 and 326 IAC 3-8, the Permittee shall submit CAM reports to the IDEM, OAQ.

A report for monitoring under 40 CFR Part 64 and 326 IAC 3-8 shall include, at a minimum, the information required under paragraph (a) of this condition and the following information, as applicable:

(1) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;

(2) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime

associated with zero and span or other daily calibration checks, if applicable); and

(3) A description of the actions taken to implement a QIP during the reporting period as specified in Section C-Response to Excursions or Exceedances. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

The Permittee may combine the Quarterly Deviation and Compliance Monitoring Report and a report pursuant to 40 CFR 64 and 326 IAC 3-8.

(b) The address for report submittal is:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(d) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit, "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

(e) If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C - General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (oo) and/or 326 IAC 2-3-1 (jj) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:

(1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (ww) and/or 326 IAC 2-3-1 (pp), for that regulated NSR pollutant, and

(2) The emissions differ from the preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).

(f) The report for project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:

(1) The name, address, and telephone number of the major stationary source.

(2) The annual emissions calculated in accordance with (d)(1) and (2) in Section C - General Record Keeping Requirements.

(3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).

(4) Any other information that the Permittee wishes to include in this report such as an explanation as to why the emissions differ from the preconstruction projection.

Reports required in this part shall be submitted to:

Indiana Department of Environmental Management
Air Compliance Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(g) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C- General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

Stratospheric Ozone Protection

C.19 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with applicable standards for recycling and emissions reduction:

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(14)] Note: Complete Descriptions are shown in Section A.2.

Quarrying and Raw Material/Clinker Stockpile Operations

(1) Drilling and blasting, identified as EU101 and EU102 respectively.
(2) One (1) limestone stockpile, identified as EU103.
(3) Two (2) reclaimed clay stockpiles, identified as EU104 and EU105.
(4) Two (2) wet flyash stockpiles, identified as EU106 and EU107.
(5) Carhoe Missouri clay unloading, identified as EU108.
(6) Truck to quarry loading, identified as EU109.
(7) One (1) Mo. clay stockpile, identified as EU110.
(8) One (1) alternate materials stockpile, identified as EU111.
(9) One (1) overburden clay stockpile, identified as EU128.
(10) One (1) iron stockpile, identified as EU301.
(11) Iron unloading, identified as EU302.
(12) One (1) gypsum stockpile, identified as EU303.
(13) Gypsum unloading, identified as EU304.
(14) One (1) coal/coke stockpile, identified as EU305.
(15) Coal/coke unloading, identified as EU306.
(16) One (1) coal/coke crane storage stockpile, located outside, identified as EU312.
(17) Coal/coke unloading, identified as EU313.
(18) West clinker storage stockpile, identified as EU512.
(19) Special clinker stockpile, identified as EU513.
(20) Clinker loading, identified as EU514.
(21) Special clinker stockpile (crushed), identified as EU515.

Raw Material Sizing Operations

(22) Raw material loading, identified as EU112.
(23) Raw material unloading, identified as EU114.
(24) One (1) apron feeder transfer to primary crusher, identified as EU115.
(25) One (1) primary crusher, identified as EU116.
(26) One (1) clean-up screw, identified as EU117.
(27) One (1) impact apron feeder, identified as EU118.
(28) Belt 1 covered conveyor, identified as EU119.
(29) Screen transfers, identified as EU120.
(30) Belt 2 covered conveyor, identified as EU121.
(31) One (1) secondary crusher, identified as EU122.
(32) Belt 3 covered conveyor, identified as EU201.

(The information describing the processes contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 Particulate Emissions [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), particulate emissions from the following process shall not exceed the pound per hour limit listed in the table below when operating at the listed process weight rate:

Unit ID	Process Description	Process Weight Rate (tons/hr)	Particulate Emission Limit (lbs/hr)
EU112, EU114 through EU122, and EU201	raw material sizing facilities	550	70.1

The pounds per hour limitations were calculated with the following equation:

Interpolation and extrapolation of the data for the process weight rate in excess of 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and P = process weight rate in tons per hour

When the process weight rate exceeds 200 tons per hour, the maximum allowable emissions may exceed the pound per hour limit calculated using the above-referenced equation, provided the concentration of particulate matter in the discharge gases to the atmosphere is less than 0.10 pounds per on thousand (1,000) pounds of gases.

D.1.2 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan is required for the emission control devices listed in this section. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements

D.1.3 Particulate Control [326 IAC 2-7-6(6)]

(a) In order to comply with D.1.1 - Particulate Emissions, the baghouse for particulate control shall be in operation and control emissions at all times an associated facility, as listed in the table below, is in operation.

Unit ID (Unit Description)	Baghouse ID
EU116 (primary crusher)	CE101
EU118 (impact apron feeder)	CE101
EU119 (belt 1 covered conveyor))	CE101 & CE102
EU122 (secondary crusher)	CE102

(b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.1.4 Visible Emissions Notations and Compliance Assurance Monitoring (CAM) [40 CFR Part 64]

(a) Visible emission notations of each of the baghouse stack exhausts shall be performed once per day during normal daylight operations. A trained employee shall record whether visible emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, at least eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of visible emissions for that specific process.

(e) If abnormal emissions are observed, the Permittee shall take reasonable response. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. An abnormal reading is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

Compliance with these monitoring requirements satisfies, in part, CAM for the following units: primary crusher (EU116), impact apron feeder (EU118), belt 1 covered conveyor (EU119), and secondary crusher (EU122).

D.1.5 Parametric Monitoring and Compliance Assurance Monitoring (CAM) [40 CFR Part 64]

The Permittee shall record the pressure drop across each baghouse, at least once per day when the associated facility is in operation. When for any one reading, the pressure drop across a baghouse is outside the normal range, the Permittee shall take reasonable response. The normal range for this unit is a pressure drop between 1.0 and 8.0 inches of water unless a different upper-bound or lower-bound value for this range is determined during the latest stack test. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside of the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated or replaced at least once every six (6) months or other time period specified by the manufacturer. The Permittee shall maintain records of the manufacturer specifications, if used.

Compliance with these monitoring requirements satisfies, in part, CAM for the following units: primary crusher (EU116), impact apron feeder (EU118), belt 1 covered conveyor (EU119), and secondary crusher (EU122).

D.1.6 Broken or Failed Bag Detection

(a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse's pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.7 Record Keeping Requirements

(a) To document the compliance status with Condition D.1.4 - Visible Emissions Notations and Compliance Assurance Monitoring (CAM), the Permittee shall maintain daily records of the visible emission notations of each baghouse stack exhaust. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of a visible emission notation (e.g. the process did not operate that day).

(b) To document the compliance status with Condition D.1.5 - Parametric Monitoring and Compliance Assurance Monitoring (CAM), the Permittee shall maintain daily records of the pressure drop across each baghouse. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading (e.g. the process did not operate that day).

(c) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(14)] Note: Complete Descriptions are shown in Section A.2.

Kiln #1 Recycled CKD Operations
(33) #1 recycled dust elevator, identified as EU408.
(34) One (1) recycled dust holding tank, identified as EU409.
(35) One (1) feeder screw and F-K pump, identified as EU410.

Kiln #1 Waste CKD Operations
(36) Five (5) discharge hopper screws, identified as EU402.
(37) One (1) covered 16" cross screw, identified as EU403.
(38) One (1) #1 waste dust elevator, identified as EU404.
(39) One (1) 9" cross screw, identified as EU405.

Kiln #2 Recycled CKD Operations
(40) #2 recycled dust elevator, identified as EU417.
(41) One (1) recycled dust holding tank, identified as EU418.
(42) One (1) feeder screw and F-K pump, identified as EU419.

Kiln #2 Waste CKD Operations
(43) Five (5) discharge hopper screws, identified as EU414.
(44) 16" covered cross screws, identified as EU415.
(45) #2 waste dust elevator, identified as EU416.

Waste CKD Disposal Operations
(46) Truck loading, identified as EU407.
(47) One (1) cement kiln dust pile, identified as EU423.

Clay Processing Operations
(48) Clay unloading to hopper, identified as EU123.
(49) One (1) wobbler feeder for transferring clay to the log washer system, identified as EU124.
(50) One (1) log washer system, identified as EU125.
(51) One (1) waste gravel pile, identified as EU126.
(52) Loading waste gravel into trucks, identified as EU127.

Crane Storage Facilities
(53) Three (3) limestone storage bins, identified as EU202.
(54) One (1) Missouri clay storage bin, identified as EU203.
(55) One (1) iron storage bin, identified as EU204.
(56) West flyash truck unloading utilizing pneumatic conveying, identified as EU210.
(57) One (1) inside west flyash holding tank, identified as EU211.
(58) East flyash truck unloading utilizing pneumatic conveying, identified as EU213.
(59) One (1) east flyash storage bin, identified as EU214.
(60) One (1) spare storage bin, identified as EU314.
(61) One (1) coal/coke storage bin, identified as EU315.
(62) Two (2) gypsum storage bins, identified as EU316.
(63) Clinker bin 1 finish mill #1, identified as EU505.
(64) Stone/clinker bin 2 finish mill #1, identified as EU506.
(65) Clinker bin 3 finish mill #1, identified as EU507.
(66) Crane unloading, identified as EU510.
(67) Clinker bin 1 #2 finish mill, identified as EU520.
(68) Clinker bin 2 #2 finish mill, identified as EU521.
(69) Bin 1 clinker spill pile, identified as EU522.

Raw Mill Facilities

(70) Three belt feeders, identified as EU205.
(71) One (1) Missouri clay belt feeder, identified as EU206.
(72) One (1) iron feeder, identified as EU207.
(73) One (1) covered cross belt, identified as EU208.
(74) One (1) covered raw mill feed belt, identified as EU209.
(75) Transfer screw to raw mill, identified as EU212.
(76) One (1) east short covered screw, identified as EU215.
(77) One (1) E-W long covered screw, identified as EU216.

Unloading Station Facilities

(78) Railroad unloading, identified as EU307.
(79) Two (2) unloading station hoppers, identified as EU308a and EU308b.
(80) One (1) belt feeder, identified as EU309.
(81) Belt 7 covered conveyor, identified as EU310.
(82) Conveyor transfer to outside storage, identified as EU311.
(83) Crane unloading, identified as EU325.

Fossil Fuel Facilities

(84) One (1) spare belt feeder to belt 8, identified as EU317.
(85) One (1) coal/coke belt feeder to belt 8, identified as EU318.
(86) Belt 8 to coal/coke tanks, identified as EU319.
(87) One (1) coal/coke tank #1, identified as EU320.
(88) Belt feed to coal mill #1, identified as EU321.
(89) Coal/Coke cross belt, identified as EU322.
(90) One (1) coal/coke tank #2, identified as EU323.
(91) Belt feed to coal mill #2, identified as EU324.

Kiln #1 Clinker Handling Facilities

(92) One (1) #1 clinker drag conveyor, identified as EU501.
(93) #1 CCDC screws, identified as EU502.
(94) #1 clinker elevator, identified as EU503.
(95) Clinker conveyor transfer system, identified as EU504.

Kiln #2 Clinker Handling Facilities

(96) #2 clinker drag conveyor, identified as EU516.
(97) #2 CCDC screw conveyor, identified as EU517.
(98) #2 clinker elevator, identified as EU518.
(99) Clinker conveyor transfer system circuit, identified as EU519.

Finish Mill #1 Facilities

(100) Clinker bin #1 feeder, identified as EU508.
(101) Stone/clinker bin 2 feeder, identified as EU509.
(102) One (1) gypsum feed belt, identified as EU511.
(103) One (1) finish mill #1 feed belt, identified as EU601.
(104) One (1) finish mill #1 circuit, identified as EU602.
(105) One (1) separator, cooler #1 and transfer, identified as EU603.

Finish Mill #2 Facilities

(106) Clinker bin 1 feeder, identified as EU523.
(107) Clinker bin 2 feeder, identified as EU524.
(108) FM #2 gypsum feeder, identified as EU525.
(109) One (1) finish mill #2 feed belt, identified as EU604.
(110) One (1) finish mill #2 circuit, identified as EU605.
(111) One (1) separator, cooler #2 and transfer, identified as EU606.

Finish Product Silo Storage Facilities
(112) Silos 11/12/13/14/15/16/17/18, identified as EU704.
(113) Silos 1/2/3/4/5/6/7 identified as EU709.
(114) Silos 8/9/10, identified as EU711.

Finish Product Silo Transfer Operations
(115) Truck/Railroad car unloading and internal transfers to silos, identified as EU701 and EU702.

Finish Product Loadout Old Silos (West) Operation
(116) West bulk truck loadout, identified as EU712.
(117) Bulk railroad loadout, identified as EU713.

Finish Product Loadout New Silos (East) Operation
(118) East bulk truck loadout, identified as EU706.

Finish Product Masonry Packing
(119) Transfer to masonry packer, identified as EU801.
(120) One (1) masonry packer, identified as EU802.
(121) Transfer to pallets/storage (masonry), identified as EU803.

Finish Product Portland Packing
(122) Transfer to portland packer, identified as EU804.
(123) One (1) portland packer, identified as EU805.
(124) Transfer to pallets/storage (portland), identified as EU806.

CKD –To-Finish Mill (CKD2FM) Recycling Operations
(129) One (1) waste dust tank, and one (1) CKD2FM surge system, collectively identified as EU406.
(130) One (1) CKD2FM recycling storage tank system, identified as EU902.
(131) One (1) CKD2FM #1 FM recycling system, identified as EU903.
(132) One (1) CKD2FM #2 FM recycling system, identified as EU904.

(The information describing the processes contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.2.1 PSD Minor Limits - PM and PM10 [326 IAC 2-2]

In order to render the requirements of 326 IAC 2-2 (PSD) not applicable, the following conditions shall apply:

(a) PM and PM10 emissions shall be limited as follows:

Emission Unit	PM	PM10
CKD2FM recycling storage tank system (EU902)	0.72 (lb/ton of CKD)	0.46 (lb/ton of CKD)
CKD2FM #1 FM recycling system (EU903)	0.003 (lb/ton of CKD)	0.0011 (lb/ton of CKD)
CKD2FM #2 FM recycling system (EU904)	0.003 (lb/ton of CKD)	0.0011 (lb/ton of CKD)

(b) The Permittee shall limit the throughput of CKD per twelve consecutive month period, with compliance determined at the end of each month, according to the following:

Emission Unit	CKD Throughput (tons)
CKD2FM recycling storage tank system (EU902)	65,000
CKD2FM #1 FM recycling system (EU903)	65,000 (combined)
CKD2FM #2 FM recycling system (EU904)	

Compliance with the above limits will ensure than total PM and PM10 emissions from Minor Source Modification 017-22319-00005 shall be less than 25 and 15 tons per year, respectively. Therefore, the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) are rendered not applicable.

D.2.2 Particulate Emissions [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), particulate emissions from the following processes shall not exceed the pound per hour limit (E) listed in the table below when operating at the listed process weight rate:

Unit ID	Process Description	Process Weight Rate (tons/hr)	Particulate Emission Limit (E) (lbs/hr)
EU408 - EU410	kiln #1 recycled CKD operations	15	25.16
EU403 - EU405	kiln #1 waste CKD operations	15	25.16
EU402	baghouse discharge hopper screws	15	25.16
EU417 - EU419	kiln #2 recycled CKD operations	15	25.16
EU415 - EU416	kiln #2 waste CKD operations	15	25.16
EU414	ESP discharge hopper screws	15	25.16
EU407	CKD loading operation	30	39.96
EU123 - EU125	clay processing facilities	30	39.96
EU127	gravel loading operation	30	39.96
EU202 & EU204	limestone & iron storage process	200	58.51
EU210 & EU211	west flyash storage process	100	51.28
EU213 & EU214	east flyash storage process	100	51.28
EU505 - EU507, EU520 & EU521	transferring clinker from storage bins to finish mills	45	43.6
EU508, EU509 & EU511	finish mill #1 facilities	45	43.6
EU523 - EU525	finish mill #2 facilities	45	43.6
EU205-209, EU212, EU215 & EU216	raw mill facilities	175	57.07
EU307 - EU311	unloading station facilities	200	58.51
EU325	crane unloading	200	58.51
EU318 - EU324	fossil fuel facilities	200	58.51
EU314	spare storage bin	200	58.51
EU315	coal/coke storage bin	200	58.51

Unit ID	Process Description	Process Weight Rate (tons/hr)	Particulate Emission Limit (E) (lbs/hr)
EU316	gypsum storage bins	200	58.51
EU501 - EU504	kiln #1 clinker handling facilities	42	42.97
EU516 - EU519	kiln #2 clinker handling facilities	42	42.97
EU601 - EU603	finish mill #1	45	43.6
EU604 - EU606	finish mill #2	45	43.6
EU704, EU709, EU711	silos	420	66.89
EU712	west bulk truck loadout	450	67.7
EU706	east bulk truck loadout	450	67.7
EU701 & EU702	truck/RR car unloading process and internal transfer to silos	100	51.28
EU713	bulk RR loadout process	100	51.28
EU801 - EU803	finish product masonry packing	44	43.4
EU804 - EU806	finish product portland packing	44	43.4
EU406	the waste dust tank and CKD2FM surge system	30	39.96
EU902 - EU904	CKD2FM recycling storage tank system and CKD2FM #1FM and CKD #2FM	14	24.03

The pounds per hour limitations were calculated with the following equations:

Interpolation of the data for the process weight rates up to (and including) 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 4.1\ P^{0.67}$ where E = rate of emission in pounds per hour; and P = process weight rate in tons per hour

Interpolation and extrapolation of the data for the process weight rates in excess of 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and P = process weight rate in tons per hour

When the process weight rate exceeds 200 tons per hour, the maximum allowable emission may exceed the pound per hour limit calculated using the above-referenced equation, provided the concentration of particulate matter in the discharge gases to the atmosphere is less than 0.10 pounds per on thousand (1,000) pounds of gases.

D.2.3 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan is required for the emission control devices listed in this section. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements

D.2.4 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

Not later than 270 days after the issuance of this permit, T017-26351-00005, in order to demonstrate compliance with Condition D.2.2 - Particulate Emissions, the Permittee shall perform PM testing on the Finish mill #1 (EU601 through EU603) and Finish mill #2 (EU604 through EU606) utilizing methods as approved by the Commissioner at least once every five (5) years from the date of the most recent valid stack test demonstration. Testing shall be in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C- Performance Testing contains the Permittee's obligation with regards to the performance testing required by this condition. All associated facilities exhausting to a single stack must all be operating when determining compliance with the limit.

D.2.5 Particulate Control [326 IAC 2-7-6(6)]

(a) In order to comply with D.2.1 - PSD Minor Limits - PM and PM10, the baghouse for particulate control shall be in operation and control emissions at all times an associated facility, as listed in the table below, is in operation.

Unit ID (Unit Description)	Baghouse ID
EU408 (#1 recycled dust elevator)	CE402
EU410 (feeder screw & F-K pump)	CE402
EU417 (#2 recycled dust elevator)	CE402
EU419 (feeder screw & F-K pump)	CE402
EU210 (west flyash truck unloading)	CE202
EU211 (inside west flyash holding tank)	CE203
EU213 (east flyash truck unloading)	CE204
EU209 (covered raw mill feed belt)	CE201
EU216 (E-W long covered screw)	CE201
EU501 (#1 clinker drag conveyor)	CE501
EU503 (#1 clinker elevator)	CE501
EU504 (clinker conveyor transfer system)	CE502 & CE804
EU516 (#2 clinker drag conveyor)	CE503 & CE504
EU518 (#2 clinker elevator)	CE503 & CE504
EU519 (clinker conveyor transfer system circuit)	CE504 & CE805
EU601 (finish mill #1 feed belt)	CE601
EU602 (finish mill #1 circuit)	CE602
EU603 (separator, cooler #1 and transfer)	CE603
EU604 (finish mill #2 feed belt)	CE604a & CE604b
EU605 (finish mill #2 circuit)	CE605
EU606 (separator, cooler #2 and transfer)	CE606
First operating scenario- EU704 (silos 11/12/13/14/15/16/17/18 or Second operating scenario - silos 15/18 Silos 11/12/13/14/16/17	CE704 and CE905 or CE905 CE704
EU709 (silos 1/2/3/4/5/6/7)	CE709
EU711 (silos 8/9/10)	CE711
EU701 (truck/railroad car unloading and transfer to internal silos)	CE701

Unit ID (Unit Description)	Baghouse ID
EU702 (truck/railroad car unloading and transfer to internal silos)	CE702
EU712 (west bulk truck loadout)	CE712
EU713 (bulk railroad loadout)	CE713
EU706 (east bulk truck loadout)	CE706
EU801 (transfer to masonry packer)	CE801 & CE802
EU802 (masonry packer)	CE801
EU804 (transfer to portland packer)	CE803
EU805 (portland packer)	CE803
EU406 (waste dust tank and CKD2FM surge system)	CE901
EU902 (CKD2FM recycling storage tank system)	CE902

(b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.2.6 Visible Emissions Notations and Compliance Assurance Monitoring (CAM) [40 CFR Part 64]

(a) Visible emission notations of each of the baghouse stack exhausts shall be performed once per day during normal daylight operations. A trained employee shall record whether visible emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, at least eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of visible emissions for that specific process.

(e) If abnormal emissions are observed, the Permittee shall take reasonable response. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. An abnormal reading is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

Compliance with these monitoring requirements satisfies, in part, CAM for the following units: waste dust tank and CKD2FM surge system (EU406), #1 recycled dust elevator (EU408), feeder screw and F-K pump (EU410), #2 recycled dust elevator (EU417), feeder screw and F-K pump (EU419), west flyash truck unloading (EU210), west flyash holding tank (EU211), east flyash truck unloading (EU213), covered raw mill feed belt (EU209), E-W long covered screw (EU216), #1 clinker drag conveyor (EU501), #1 clinker elevator (EU503), clinker conveyor transfer system (EU504), #2 clinker drag conveyor (EU516), #2 clinker elevator (EU518), clinker conveyor transfer system circuit (EU519), finish mill #1 feed belt (EU601), finish mill #1 circuit (EU602), separator, cooler #1 and transfer (EU603), finish mill #2 feed belt (EU604), finish mill #2 circuit

(EU605), separator, cooler #2 and transfer (EU606), silos 11/12/13/14/15/16/17/18 (EU704), silos 1/2/3/4/5/6/7 (EU709), silos 8/9/10 (EU711), truck/Railroad car unloading and internal transfers to silos (EU701) and (EU702), west bulk truck loadout (EU712), bulk railroad loadout (EU713),east bulk truck loadout (EU706), transfer to masonry packer (EU801), masonry packer (EU802), transfer to portland packer (EU804), and portland packer (EU805).

D.2.7 Parametric Monitoring and Compliance Assurance Monitoring (CAM) [40 CFR Part 64]

The Permittee shall record the pressure drop across each baghouse, at least once per day when the associated facility is in operation. When for any one reading, the pressure drop across a baghouse is outside the normal range, the Permittee shall take reasonable response. The normal range for this unit is a pressure drop between 1.0 and 8.0 inches of water unless a different upper-bound or lower-bound value for this range is determined during the latest stack test. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. A pressure reading that is outside of the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.

The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated or replaced at least once every six (6) months or other time period specified by the manufacturer. The Permittee shall maintain records of the manufacturer specifications, if used.

Compliance with these monitoring requirements satisfies, in part, CAM for the following units: waste dust tank and CKD2FM surge system (EU406), #1 recycled dust elevator (EU408), feeder screw and F-K pump (EU410), #2 recycled dust elevator (EU417), feeder screw and F-K pump (EU419), west flyash truck unloading (EU210), west flyash holding tank (EU211), east flyash truck unloading (EU213), covered raw mill feed belt (EU209), E-W long covered screw (EU216), #1 clinker drag conveyor (EU501), #1 clinker elevator (EU503), clinker conveyor transfer system (EU504), #2 clinker drag conveyor (EU516), #2 clinker elevator (EU518), clinker conveyor transfer system circuit (EU519), finish mill #1 feed belt (EU601), finish mill #1 circuit (EU602), separator, cooler #1 and transfer (EU603), finish mill #2 feed belt (EU604), finish mill #2 circuit (EU605), separator, cooler #2 and transfer (EU606), silos 11/12/13/14/15/16/17/18 (EU704), silos 1/2/3/4/5/6/7 (EU709), silos 8/9/10 (EU711), truck/Railroad car unloading and internal transfers to silos (EU701) and (EU702), west bulk truck loadout (EU712), bulk railroad loadout (EU713),east bulk truck loadout (EU706), transfer to masonry packer (EU801), masonry packer (EU802), transfer to portland packer (EU804), and portland packer (EU805).

D.2.8 Broken or Failed Bag Detection

(a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse's pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks, dust traces or triboflows.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.2.9 Record Keeping Requirements

(a) To document the compliance status with Condition D.2.6 - Visible Emissions Notations and Compliance Assurance Monitoring (CAM), the Permittee shall maintain daily records of the visible emission notations of each baghouse stack exhaust. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of a visible emission notation (e.g. the process did not operate that day).

(b) To document the compliance status with Condition D.2.7- Parametric Monitoring and Compliance Assurance Monitoring (CAM), the Permittee shall maintain daily records of the pressure drop across each baghouse. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading (e.g. the process did not operate that day).

(c) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(14)] Note: Complete Descriptions are shown in Section A.2.

Kiln #1 and Kiln #2 Facilities

(125) One (1) wet process rotary cement kiln #1, identified as EU401.

(126) One (1) wet process rotary cement kiln #2, identified as EU413.

(The information describing the processes contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.3.1 Sulfur Dioxide (SO2) [326 IAC 7-1.1-1] [326 IAC 7-2-1]

(a) Pursuant to 326 IAC 7-1.1 (SO2 Emissions Limitations) the SO2 emissions from the combustion of coal or the simultaneous combustion of coal and oil, in kiln #1 and kiln #2 shall not exceed six (6.0) pounds per MMBtu heat input. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a calendar month average.

(b) Pursuant to 326 IAC 7-1.1 (SO2 Emissions Limitations) the SO2 emissions from the combustion of fuel oil only from each of the kilns shall not exceed five tenths (0.5) pounds per MMBtu heat input. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a calendar month average.

(c) Pursuant to 326 IAC 7-1.1 (SO2 Emissions Limitations) the SO2 emissions from the combustion of residual oil only from each of the kilns shall not exceed one and six-tenths (1.6) pounds per MMBtu heat input. Pursuant to 326 IAC 7-2-1, compliance shall be demonstrated on a calendar month average.

D.3.2 PSD Applicability for Kilns [326 IAC 2-2-3] [326 IAC 2-7-6(3)] [326 IAC 2-7-15]

The EPA has alleged an enforcement action that the kilns are subject to the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration). Therefore, the Permit Shield provided by Condition B.13 of this permit does not apply to the kilns with regards to 326 IAC 2-2 (PSD). If the enforcement action results in a settlement or determination that the kilns are subject to 326 IAC 2-2, the OAQ will promptly reopen this permit using the provisions of 326 IAC 2-7-9 (Permit Reopening) to include detailed requirements necessary to comply with 326 IAC 2-2 (PSD) and a schedule for achieving compliance with such requirements.

D.3.3 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan is required for these facilities and their emission control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements

D.3.4 Continuous Emissions Monitoring [326 IAC 3-5] [326 IAC 2-7-6(1),(6)]

(a) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions) continuous opacity monitoring systems (COMS) for kiln #1 (EU401) and kiln #2 (EU413) shall be calibrated, maintained, and operated for measuring opacity, which meet all applicable performance specifications of 326 IAC 3-5-2.

(b) All continuous emission monitoring systems are subject to monitor system certification requirements pursuant to 326 IAC 3-5-3.

(c) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emission monitoring system pursuant to 326 IAC 3-5, 40 CFR 63, Subpart EEE, and 40 CFR 63, Subpart LLL.

D.3.5 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 2-7-5(A)] [326 IAC 2-7-6]

Pursuant to 326 IAC 7-2, the compliance status with the limitations in Condition D.3.1 - Sulfur Dioxide (SO_2) shall be determined utilizing the following methods:

(a) The Permittee shall determine the sulfur dioxide (SO_2) emissions from the combustion of coal utilizing one (1) of the following options:

(1) Coal sampling and analysis shall be performed using one of the following procedures:

(A) Minimum Coal Sampling Requirements and Analysis Methods [326 IAC 3-7-2(b)(3)]:

(i) The coal sample acquisition point shall be at a location where representative samples of the total coal flow to be combusted by the facility or facilities may be obtained. A single as-bunkered or as-burned sampling station may be used to represent the coal to be combusted by multiple facilities using the same stockpile feed system;

(ii) Coal shall be sampled at least three (3) times per day and at least one (1) time per eight (8) hour period unless no coal is bunkered during the preceding eight (8) hour period;

(iii) Minimum sample size shall be five hundred (500) grams;

(iv) Samples shall be composited and analyzed at the end of each calendar month;

(v) Preparation of the coal sample, heat content analysis, and sulfur content analysis shall be determined pursuant to 326 IAC 3-7-2(c), (d), (e); or

(B) Sample and analyze the coal pursuant to 326 IAC 3-7-2(a); or

(C) Sample and analyze the coal pursuant to 326 IAC 3-7-3; or

(2) Upon written notification to IDEM by a facility owner or operator, continuous emission monitoring data collected and reported pursuant to 326 IAC 3-5-1 may be used as the means for determining compliance with the emission limitations in 326 IAC 7-2. Upon such notification, the other requirements of 326 IAC 7-2 shall not apply. [326 IAC 7-2-1(e)]

(3) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from the kilns, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6, which is conducted with such frequency as to generate the amount of information required by (1) or (2) above. [326 IAC 7-2-1(b)]

A determination of noncompliance pursuant to any of the methods specified in (1), (2), or (3) above shall not be refuted by evidence of compliance pursuant to the other method.

(b) The Permittee shall determine the sulfur dioxide (SO_2) emissions from the combustion of oil utilizing one (1) of the following options:

(1) Fuel sampling and analysis shall be performed using one of the following procedures:

(A) Providing vendor analysis of fuel delivered, if accompanied by a vendor certification, or;

(B) Analyzing the oil sample to determine the sulfur content of the oil via the procedures in 40 CFR 60, Appendix A, Method 19.

(i) Oil samples may be collected from the fuel tank immediately after the fuel tank is filled and before any oil is combusted; and

(ii) If a partially empty fuel tank is refilled, a new sample and analysis would be required upon filling.

(2) Compliance may also be determined by conducting a stack test for sulfur dioxide emissions from each of the kilns and heaters, using 40 CFR 60, Appendix A, Method 6 in accordance with the procedures in 326 IAC 3-6.

A determination of noncompliance pursuant to any of the methods specified in (1) or (2) above shall not be refuted by evidence of compliance pursuant to the other method.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.3.6 Visible Emissions Notations

Whenever a COMS is malfunctioning or down for maintenance, or repairs for a period of twenty-four (24) hours or more and a backup COMS is not online not later than twenty-four (24) hours of shutdown or malfunction of the primary COMS, and the process is operating,

(a) the Permittee shall provide a certified opacity reader, who may be an employee of the Permittee or an independent contractor, to self-monitor the emissions from the emission unit stack.

(1) Visible emission readings shall be performed in accordance with 40 CFR 60, Appendix A, Method 9, for a minimum of five (5) consecutive six (6) minute averaging periods beginning not more than twenty-four (24) hours after the start of the malfunction or down time.

(2) Method 9 opacity readings shall be repeated for a minimum of five (5) consecutive six (6) minute averaging periods at least twice per day during daylight operations, with at least four (4) hours between each set of readings, until a COMS is online.

(3) Method 9 readings may be discontinued once a COM is online.

(4) Any opacity exceedances determined by Method 9 readings shall be reported with the Quarterly Opacity Exceedances Reports.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.3.7 Record Keeping Requirements

(a) To document the compliance status with Condition D.3.1 - Sulfur Dioxide (SO_2) and D.3.5 - Sulfur Dioxide Emissions and Sulfur Content, the Permittee shall maintain records in accordance with (1) through (4) below. Records maintained for (1) through (4) shall be complete and sufficient to determine the compliance status with the SO2 emission limits established in D.3.1 - Sulfur Dioxide (SO_2).

(1) Calendar dates covered in the compliance determination period;

(2) Actual coal, fuel oil, and residual oil usage since last compliance determination period;

(3) Sulfur content and heat content of the coal, fuel oil, and residual oil;

(4) Sulfur dioxide emission rates.

(b) Pursuant to 326 IAC 3-7-5(a), the Permittee shall develop a standard operating procedure (SOP) to be followed for sampling, handling, analysis, quality control, quality assurance, and data reporting of the information collected pursuant to 326 IAC 3-7-2 through 326 IAC 3-7-4. In addition, any revision to the SOP shall be submitted to IDEM, OAQ.

(c) To document the compliance status with Section C - Opacity, Condition D.3.4 - Continuous Emissions Monitoring, and Condition D.3.6 - Visible Emissions Notations, the Permittee shall maintain records in accordance with (1) through (3) below. Records shall be complete and sufficient to determine the compliance status with the limits established in Section C - Opacity.

(1) Data and results from the most recent performance specifications tests, pursuant to 326 IAC 3-5-3.

(2) All continuous emissions monitoring data, pursuant to 326 IAC 3-5.

(3) The results of all method 9 visible emission readings taken during any periods of COMS downtime.

(d) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.

D.3.8 Reporting Requirements

(a) A quarterly summary of the information to document the compliance status with Condition D.3.1 - Sulfur Dioxide (SO_2) shall be submitted not later than thirty (30) days after the end of the quarter being reported.

(b) A quarterly report of opacity exceedances and a quarterly summary of the information to document the compliance status with Condition D.3.4 - Continuous Emissions Monitoring shall be submitted not later than thirty (30) days after the end of the quarter being reported.

(c) Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition.

(d) The reports submitted by the Permittee do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION D.4 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(14)] Note: Complete Descriptions are shown in Section A.2.

The clinker cooler #1 facilities
(127) One (1) clinker cooler #1, identified as EU412.

The clinker cooler #2 facilities
(128) One (1) clinker cooler #2, identified as EU421.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.4.1 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan is required for these facilities and its emission control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

Compliance Determination Requirements

D.4.2 Continuous Emissions Monitoring [326 IAC 3-5]

(a) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions) continuous opacity monitoring systems (COMS) for clinker cooler #1 (EU412) and clinker cooker #2 (EU421) shall be calibrated, maintained, and operated for measuring opacity, which meet all applicable performance specifications of 326 IAC 3-5-2.

(b) All continuous emission monitoring systems are subject to monitor system certification requirements pursuant to 326 IAC 3-5-3.

(c) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emission monitoring system pursuant to 326 IAC 3-5 and 40 CFR 63, Subpart LLL.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.4.3 Visible Emissions Notations

Whenever a COMS is malfunctioning or down for maintenance, or repairs for a period of twenty-four (24) hours or more and a backup COMS is not online not later than twenty-four (24) hours of shutdown or malfunction of the primary COMS, and the process is operating,

(a) the Permittee shall provide a certified opacity reader, who may be an employee of the Permittee or an independent contractor, to self-monitor the emissions from the emission unit stack.

(1) Visible emission readings shall be performed in accordance with 40 CFR 60, Appendix A, Method 9, for a minimum of five (5) consecutive six (6) minute averaging periods beginning not more than twenty-four (24) hours after the start of the malfunction or down time.

(2) Method 9 opacity readings shall be repeated for a minimum of five (5) consecutive six (6) minute averaging periods at least twice per day during daylight operations, with at least four (4) hours between each set of readings, until a COMS is online.

(3) Method 9 readings may be discontinued once a COM is online.

(4) Any opacity exceedances determined by Method 9 readings shall be reported with the Quarterly Opacity Exceedances Reports.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.4.4 Record Keeping Requirements

(a) To document the compliance status with Section C - Opacity, Condition D.4.2 - Continuous Emissions Monitoring, and Condition D.4.3 - Visible Emissions Notations, the Permittee shall maintain records in accordance with (1) through (3) below. Records shall be complete and sufficient to determine the compliance status with the limits established in Section C - Opacity and Condition D.4.3 - Visible Emissions Notations.

(1) Data and results from the most recent performance specifications tests, pursuant to 326 IAC 3-5-3.

(2) All continuous emissions monitoring data, pursuant to 326 IAC 3-5.

(3) The results of all method 9 visible emission readings taken during any periods of COMS downtime.

(b) Section C - General Record Keeping Requirements of this permit contains the Permittee's obligations with regard to the records required by this condition.

D.4.5 Reporting Requirements

A quarterly summary of excess opacity emissions, as defined in 326 IAC 3-5-7, from the continuous monitoring system shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition.

The reports submitted by the Permittee do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION D.5 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(14)]

Hazardous Waste Derived Fuel System Operations

(133) Four (4) liquid hazardous waste-derived fuel storage tanks, approved for construction in 2010, identified collectively as EU906, with maximum capacities of 39,800 gallons each, vented to one (1) carbon adsorption system or the kiln/cooler for VOC control.

(134) One (1) bulk solids management system, approved for construction in 2010, consisting of:

(i) One (1) feed hopper and two (2) augers contained inside the solids management building and two (2) screw conveyors, collectively identified as EU908, and all associated equipment with VOC emissions routed to the kiln/cooler for VOC control; and

(ii) One (1) hydrapulper tank with a maximum capacity of 3,750 gallons and one (1) level control tank with a maximum capacity of 3,500 gallons, collectively identified as EU907 with all associated equipment, vented to one (1) activated carbon canister system or the kiln/cooler for VOC control.

Insignificant Activities

(3) Three (3) natural gas-fired boilers, collectively identified as EU909, utilizing low-NO_X burners, approved for construction in 2010, with a total maximum heat input capacity of 1.8 MMBtu/hr.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.5.1 PSD Minor Limit [326 IAC 2-2]

VOC emissions from the four (4) storage tanks, collectively identified as EU906, the bulk solids material handling and management system, identified as EU908 and EU907 respectively, shall not exceed 39.9 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

(1) The emissions from the four (4) storage tanks, collectively identified as EU906, and the bulk solids management system, identified as EU907, shall be captured and routed to either the kiln/cooler or the activated carbon canister system for VOC emission control. The source shall maintain 100% capture efficiency and at least 95% removal efficiency to control emissions from these emissions units.

(2) The emissions from the bulk solids material handling system, collectively identified as EU908, shall be captured and routed to the kiln/cooler for VOC emission control. The source shall maintain at least 80% capture efficiency and 99% destruction efficiency to control emissions from these emissions units.

(A) When the kiln/cooler is not operating, EU908 shall not be operated.

Compliance with these requirements will ensure that the potential to emit from this modification is less than forty (40) tons of VOC per twelve (12) consecutive month period and, therefore, will render the requirements of 326 IAC 2-2 not applicable.

D.5.2 Particulate Matter [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4(d), particulate emissions from the three (3) boilers, identified collectively as EU909, shall not exceed 0.6 lb/MMBtu each.

D.5.3 Particulate Matter [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the particulate matter (PM) from the bulk solids material handling, identified collectively as EU908, shall not exceed 30.51 pounds per hour when operating at a process weight rate of twenty (20) tons per hour. The pound per hour limitation was calculated with the following equation:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$E = 4.10 P^{0.67}$ where E = rate of emission in pounds per hour and
P = process weight rate in tons per hour

D.5.4 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan is required for the emissions units and any associated control devices listed in this section, excluding the storage tanks collectively identified as EU906. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plans required by this Condition.

Compliance Determination Requirements

D.5.5 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

In order to demonstrate the compliance status with Condition D.5.1 - PSD Minor Limit, the Permittee shall perform VOC capture and removal testing on the four (4) storage tanks, collectively identified as EU906, and the bulk solids material handling and management system, identified as EU908 and EU907 respectively, utilizing methods as approved by the Commissioner. These tests shall be conducted within 180 days after initial start-up. These tests shall be repeated at least once every five (5) years, unless otherwise stated below. Testing shall be conducted in accordance with the provisions of 326 IAC 3-6 (Source Sampling Procedures). Section C- Performance Testing contains the Permittee's obligation with regard to the performance testing required by this condition. All associated facilities exhausting to a single stack must all be operating when determining compliance with the limit.

(a) Capture efficiency testing for EU906, EU907 and EU909 may be satisfied by including the emission units in the leak detection monitoring program (LDAR) Program.

(b) Destruction efficiency testing for emission units which have emissions routed to the kiln/cooler for VOC control may be satisfied by the VOC destruction removal efficiency (DRE) testing on the kiln system that is performed as part of the required HWC MACT compliance testing.

(c) Removal efficiency testing for emission units which have emissions routed to the activated carbon canister system for VOC control may be satisfied by testing of the inlet and outlet of the carbon system to demonstrate 95% VOC removal efficiency.

Compliance Monitoring Requirements

D.5.6 Parametric Monitoring

(a) The Permittee shall maintain a negative air flow pressure for the bulk solids management building as indicated by differential pressure gauges across the building inlets and outlets.

(b) To demonstrate that a negative air flow pressure is achieved, the Permittee shall install differential pressure gauges at each of the building inlets and outlets, and measure and record the differential pressure across the inlets and outlets of the building at least once per day.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.5.7 Record Keeping Requirement

To document the compliance status of Condition D.5.1 - PSD Minor Limit, the Permittee shall maintain records of the differential pressure across the building inlets and outlets as specified in Condition D.5.6 - Parametric Monitoring.

SECTION D.6 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(14)] Insignificant Activity - Degreasing operations

Insignificant Activities

(1) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6 including one parts washer constructed in 1991. [326 IAC 8-3-2] [326 IAC 8-3-5]

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.6.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations) for cold cleaning operations, performing organic solvent degreasing, constructed after January 1, 1980, the Permittee shall:

(a) Equip the cleaner with a cover;

(b) Equip the cleaner with a facility for draining cleaned parts;

(c) Close the degreaser cover whenever parts are not being handled in the cleaner;

(d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;

(e) Provide a permanent, conspicuous label summarizing the operating requirements;

(f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

D.6.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), for a cold cleaner degreaser facility, performing organic solvent degreasing, construction of which commenced after July 1, 1990, the Permittee shall ensure that the following control equipment requirements are met:

(1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:

(A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius ($38^{o}C$) (one hundred degrees Fahrenheit ($100^{o}F$));

(B) The solvent is agitated; or

(C) The solvent is heated.

(2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius ($38^{o}C$) (one hundred degrees Fahrenheit ($100^{o}F$)), then the drainage facility must be internal such that articles are enclosed under

the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

(3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).

(4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.

(5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38^{o}C) (one hundred degrees Fahrenheit (100^{o}F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9^{o}C) (one hundred twenty degrees Fahrenheit (120^{o}F)):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.

(B) A water cover when solvent is used is insoluble in, and heavier than, water.

(C) Other systems of demonstrated equivalent control such as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

(b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), for a cold cleaning facility, performing organic solvent degreasing, construction of which commenced after July 1, 1990, the Permittee shall ensure that the following operating requirements are met:

(1) Close the cover whenever articles are not being handled in the degreaser.

(2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.

(3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

SECTION E.1 FACILITY OPERATION CONDITIONS - National Emission Standards for Equipment Leaks (Fugitive Emission Sources)

Facility Description [326 IAC 2-7-5(14)]

Hazardous Waste Derived Fuel System Operations

(134) One (1) bulk solids management system, approved for construction in 2010, consisting of:

(i) One (1) feed hopper and two (2) augers contained inside the solids management building and two (2) screw conveyors, collectively identified as EU908, and all associated equipment with VOC emissions routed to the kiln/cooler for VOC control; and

(ii) One (1) hydrapulper tank with a maximum capacity of 3,750 gallons and one (1) level control tank with a maximum capacity of 3,500 gallons, collectively identified as EU907 with all associated equipment, vented to one (1) activated carbon canister system or the kiln/cooler for VOC control.

Insignificant Activities

(2) Hazardous Waste fuel facility

- (A) Waste Management Units
  - (i) Ten (10) hazardous waste-derived fuel storage tanks, installed in 1987 and 1994, with capacities ranging from 22,000-39,000 gallons. All tanks are connected to an integrated emission control system.
  - (ii) Carbon Steel Piping System
  - (iii) Tank Rail Cars and Trucks
- (B) Equipment components
  - (i) Valves
  - (ii) Pumps
  - (iii) AWFCO Valves
- (C) Caps (hose end covers)
- (D) Flanges
- (E) Manways
- (F) Flame Arrestors
- (G) Filter Pots
- (H) Micro-motion Flow Meters
- (I) Level Transmitters
- (J) Pressure Indicators
- (K) Pressure Transmitters
- (L) Emergency Conservation Vent
- (M) Carbon Canister VOC Monitor
- (N) Tank Emergency Relief Ports
- (O) High Level Probes
- (P) Activated Carbon Canister System

The bulk solids management system and the waste fuel operations are subject to the requirements of 40 CFR 61, Subpart V (National Emission Standard for Equipment Leaks (Fugitive Sources)), because they are intended to operate in volatile hazardous air pollutant (VHAP) service. Each pump, compressor, pressure relief device, sampling connection system, open-ended valve or line, valve, connector, surge control vessel, and control device associated with the waste fuel operations are subject to the requirements of 40 CFR 61, Subpart V.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements [326 IAC 2-7-5(1)]

E.1.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 61 [40 CFR Part 61, Subpart A] [326 IAC 14-1]

(a) Pursuant to 40 CFR 61, Subpart V, the Permittee shall comply with the provisions of 40 CFR Part 61 Subpart A - General Provisions, which are incorporated by reference as 326 IAC 14-1, except as otherwise specified in 40 CFR Part 61, Subpart V.

(b) Pursuant to 40 CFR 61.04, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

E.1.2 National Emission Standard for Equipment Leaks (Fugitive Emission Sources) [40 CFR Part 61, Subpart V]

Pursuant to 40 CFR Part 61, Subpart V, the Permittee shall comply with the provisions of National Emission Standard for Equipment Leaks (Fugitive Emission Sources) (included as Attachment A of this permit), as specified as follows:

(1) 40 CFR 61.240 (a), (b), and (c)
(2) 40 CFR 61.241
(3) 40 CFR 61.242-1
(4) 40 CFR 61.242-2
(5) 40 CFR 61.242-3
(6) 40 CFR 61.242-4
(7) 40 CFR 61.242-5
(8) 40 CFR 61.242-6
(9) 40 CFR 61.242-7
(10) 40 CFR 61.242-8
(11) 40 CFR 61.242-10
(12) 40 CFR 61.242-11 (a), (b), (c), (e), (f), (g), (h), (i), (j), (k), (l), and (m)
(13) 40 CFR 61.245 (a), (b), (c), and (d)
(14) 40 CFR 61.246 (a), (b), (c), (d), (e), (f), (h), (i), and (j)
(15) 40 CFR 61.247 (a)(1), (2), (3), and (5)
(16) 40 CFR 61.247(b)
(17) 40 CFR 61.247(c)
(18) 40 CFR 61.247(e)
(19) Table 1 to Subpart V Part 61
(20) Table 2 to Subpart V Part 61

SECTION E.2 FACILITY OPERATION CONDITIONS - National Emission Standard for Benzene Waste Operations

Facility Description [326 IAC 2-7-5(14)]

Kiln #1 and Kiln #2 Facilities

(125) One (1) wet process rotary cement kiln #1, identified as EU401.

(126) One (1) wet process rotary cement kiln #2, identified as EU413.

Hazardous Waste Derived Fuel System Operations

(133) Four (4) liquid hazardous waste-derived fuel storage tanks, approved for construction in 2010, identified collectively as EU906, with maximum capacities of 39,800 gallons each, vented to one (1) carbon adsorption system or the kiln/cooler for VOC control.

(134) One (1) bulk solids management system, approved for construction in 2010, consisting of:

(i) One (1) feed hopper and two (2) augers contained inside the solids management building and two (2) screw conveyors, collectively identified as EU908, and all associated equipment with VOC emissions routed to the kiln/cooler for VOC control; and

(ii) One (1) hydrapulper tank with a maximum capacity of 3,750 gallons and one (1) level control tank with a maximum capacity of 3,500 gallons, collectively identified as EU907 with all associated equipment, vented to one (1) activated carbon canister system or the kiln/cooler for VOC control.

Insignificant Activities

(2) Hazardous Waste fuel facility

- (A) Waste Management Units
  - (i) Ten (10) hazardous waste-derived fuel storage tanks, installed in 1987 and 1994, with capacities ranging from 22,000-39,000 gallons. All tanks are connected to an integrated emission control system.
  - (ii) Carbon Steel Piping System
  - (iii) Tank Rail Cars and Trucks
- (B) Equipment components
  - (i) Valves
  - (ii) Pumps
  - (iii) AWFCO Valves
- (C) Caps (hose end covers)
- (D) Flanges
- (E) Manways
- (F) Flame Arrestors
- (G) Filter Pots
- (H) Micro-motion Flow Meters
- (I) Level Transmitters
- (J) Pressure Indicators
- (K) Pressure Transmitters
- (L) Emergency Conservation Vent
- (M) Carbon Canister VOC Monitor
- (N) Tank Emergency Relief Ports
- (O) High Level Probes

(P) Activated Carbon Canister System

The hazardous waste derived fuel system operations and the waste fuel operations are subject to the requirements of 40 CFR 61, Subpart FF (National Emission Standard for Benzene Waste Operations), because they are considered part of a hazardous waste treatment, storage, and disposal facility which operates under a hazardous waste management permit under subtitle C of the Solid Waste Disposal Act.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements [326 IAC 2-7-5(1)]

E.2.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 61 [40 CFR Part 61, Subpart A] [326 IAC 14-1]

(a) Pursuant to 40 CFR 61, Subpart FF, the Permittee shall comply with the provisions of 40 CFR Part 61 Subpart A - General Provisions, which are incorporated by reference as 326 IAC 14-1, except as otherwise specified in 40 CFR Part 61, Subpart FF.

(b) Pursuant to 40 CFR 61.04, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

E.2.2 National Emission Standard for Benzene Waste Operations [40 CFR Part 61, Subpart FF]

Pursuant to 40 CFR Part 61, Subpart FF, the Permittee shall comply with the provisions of National Emission Standard for Benzene Waste Operations (included as Attachment B of this permit), as specified as follows:

(1) 40 CFR 61.340
(2) 40 CFR 61.341
(3) 40 CFR 61.342
(4) 40 CFR 61.343 (a), (b), (c), (d)
(5) 40 CFR 61.345 (a), (c), (d), (e), (f), (g)
(6) 40 CFR 61.348
(7) 40 CFR 61.349 (a)(1), (a)(2)(ii), (a)(2)(iv)
(8) 40 CFR 61.349 (b), (c), (e), (f), (g), (h)
(9) 40 CFR 61.350
(10) 40 CFR 61.354 (a), (b), (c)(5), (d), (e), (f)
(11) 40 CFR 61.355 (a), (b)(3), (b)(4), (b)(5), (b)(6), (b)(7)
(12) 40 CFR 63.355 (c)(1)(i)(C), (c)(1)(i)(D)
(13) 40 CFR 61.355 (c)(1)(ii), (c)(1)(iii), (c)(1)(iv), and (c)(1)(v)
(14) 40 CFR 61.355 (c)(2), (c)(3)
(15) 40 CFR 61.355 (d), (e), (f), (h), (i), (j), (k)
(16) 40 CFR 61.356 (a), (b)(1), (b)(2), (b)(4)
(17) 40 CFR 61.356 (c), (d), (e), (f)(1), (f)(2)(i)(C), (f)(2)(i)(G), (f)(3), (g), (h), (i)
(18) 40 CFR 61.356 (j)(1), (j)(2), (j)(3), (j)(6), (j)(9), (j)(10)
(19) 40 CFR 61.357(a), (b), (c)
(20) 40 CFR 61.357 (d)(1), (d)(2), (d)(3), (d)(5), (d)(6)
(21) 40 CFR 61.357 (d)(7)(i), (d)(7)(ii), (d)(7)(iii), (d)(8)
(22) 40 CFR 61.358

SECTION E.3 FACILITY OPERATION CONDITIONS - National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations

Facility Description [326 IAC 2-7-5(14)]

Hazardous Waste Derived Fuel System Operations

(133) Four (4) liquid hazardous waste-derived fuel storage tanks, approved for construction in 2010, identified collectively as EU906, with maximum capacities of 39,800 gallons each, vented to one (1) carbon adsorption system or the kiln/cooler for VOC control.

(134) One (1) bulk solids management system, approved for construction in 2010, consisting of:

(i) One (1) feed hopper and two (2) augers contained inside the solids management building and two (2) screw conveyors, collectively identified as EU908, and all associated equipment with VOC emissions routed to the kiln/cooler for VOC control; and

(ii) One (1) hydrapulper tank with a maximum capacity of 3,750 gallons and one (1) level control tank with a maximum capacity of 3,500 gallons, collectively identified as EU907 with all associated equipment, vented to one (1) activated carbon canister system or the kiln/cooler for VOC control.

Insignificant Activities

(2) Hazardous Waste fuel facility

- (A) Waste Management Units
  - (i) Ten (10) hazardous waste-derived fuel storage tanks, installed in 1987 and 1994, with capacities ranging from 22,000-39,000 gallons. All tanks are connected to an integrated emission control system.
  - (ii) Carbon Steel Piping System
  - (iii) Tank Rail Cars and Trucks
- (B) Equipment components
  - (i) Valves
  - (ii) Pumps
  - (iii) AWFCO Valves
- (C) Caps (hose end covers)
- (D) Flanges
- (E) Manways
- (F) Flame Arrestors
- (G) Filter Pots
- (H) Micro-motion Flow Meters
- (I) Level Transmitters
- (J) Pressure Indicators
- (K) Pressure Transmitters
- (L) Emergency Conservation Vent
- (M) Carbon Canister VOC Monitor
- (N) Tank Emergency Relief Ports
- (O) High Level Probes
- (P) Activated Carbon Canister System

The hazardous waste derived fuel system operations and the waste fuel operations are subject to the requirements of 40 CFR 63, Subpart DD (National Emission Standard for Hazardous Air Pollutants (NESHAP) from Off-Site Waste and Recovery Operations), because the plant is a major source of hazardous air pollutant (HAP) emissions and the facility is regulated as a hazardous waste treatment, storage, and disposal facility which receives off-site material as specified in paragraph 40 CFR 63.680(b).

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements [326 IAC 2-7-5(1)]

E.3.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [40 CFR Part 63, Subpart A] [326 IAC 20-1]

(a) Pursuant to 40 CFR 63, Subpart DD, the Permittee shall comply with the provisions of 40 CFR Part 63 Subpart A - General Provisions, which are incorporated by reference as 326 IAC 20-1-1, except as otherwise specified in 40 CFR Part 63, Subpart DD.

(b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

E.3.2 National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations [40 CFR Part 63, Subpart DD] [326 IAC 20-23]

Pursuant to 40 CFR Part 63, Subpart DD, the Permittee shall comply with the provisions of National Emission Standards for Hazardous Air Pollutants from Off-Site Waste and Recovery Operations (included as Attachment C of this permit), which are incorporated by reference as 326 IAC 20-23, as specified as follows:

(1) 40 CFR 63.680 (a), (b), (c)(1), (c)(3), (e), (f)
(2) 40 CFR 63.681
(3) 40 CFR 63.683 (a), (b)(1)(i), (b)(2)(i), (d)
(4) 40 CFR 63.685 (a), (b), (c), (d), (g)
(5) 40 CFR 63.688
(6) 40 CFR 63.689 (a), (c), (d)
(7) 40 CFR 63.690
(8) 40 CFR 63.691(a), (b)(1)
(9) 40 CFR 63.693 (a), (b), (c), (d), (g)
(10) 40 CFR 63.695 (a)(2), (a)(3)
(11) 40 CFR 63.695 (c), (d), (f)
(12) 40 CFR 63.696 (a), (b), (e), (g), (h)
(13) 40 CFR 63.697 (a), (b)
(14) 40 CFR 63.698
(15) Table 1 to 40 CFR 63 Subpart DD
(16) Table 2 to 40 CFR 63 Subpart DD
(17) Table 3 to 40 CFR 63 Subpart DD
(18) Table 4 to 40 CFR 63 Subpart DD

SECTION E.4 FACILITY OPERATION CONDITIONS - National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors and National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry

Facility Description [326 IAC 2-7-5(14)]

Kiln #1 and Kiln #2 Facilities

(125) One (1) wet process rotary cement kiln #1, identified as EU401.

(126) One (1) wet process rotary cement kiln #2, identified as EU413.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements [326 IAC 2-7-5(1)]

E.4.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [40 CFR Part 63, Subpart A] [326 IAC 20-1]

(a) Pursuant to 40 CFR 63, Subpart EEE and 40 CFR 63, Subpart LLL, the Permittee shall comply with the provisions of 40 CFR Part 63 Subpart A - General Provisions, which are incorporated by reference as 326 IAC 20-1-1, except as otherwise specified in 40 CFR Part 63, Subpart EEE and 40 CFR 63, Subpart LLL.

(b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

E.4.2 National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors [40 CFR Part 63, Subpart EEE] [326 IAC 20-28]

Pursuant to 40 CFR Part 63, Subpart EEE, the Permittee shall comply with the provisions of National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors (included as Attachment D of this permit), which are incorporated by reference as 326 IAC 20-28, as specified as follows:

(1) 40 CFR 63.1200
(2) 40 CFR 63.1201
(3) 40 CFR 63.1204 (a)(1), (a)(2), (a)(3), (a)(5), (a)(5)(ii)(A), (a)(6), (a)(7)(i), (a)(7)(ii)
(4) 40 CFR 63.1206 (a)(1)(i)(A), (a)(1)(ii)(A), (a)(3)
(5) 40 CFR 63.1206 (b)(1), (b)(2), (b)(3), (b)(4), (b)(5), (b)(6), (b)(7), (b)(8), (b)(11)
(6) 40 CFR 63.1206 (b)(12), (b)(13)(i)(A)(1)
(7) 40 CFR 63.1206 (c)(1), (c)(2), (c)(3), (c)(4), (c)(5)
(8) 40 CFR 63.1206 (c)(6)(i), (c)(6)(ii), (c)(6)(iv), (c)(6)(v), (c)(6)(vi), (c)(6)(vii)
(9) 40 CFR 63.1206 (c)(7), (c)(8), (c)(9)
(10) 40 CFR 63.1207 (a), (b)(1), (b)(2), (c), (d), (e)
(11) 40 CFR 63.1207 (f)(1)(i), (f)(1)(ii), (f)(1)(iii), (f)(1)(iv), (f)(1)(v), (f)(1)(vi), (f)(1)(vii),
(12) 40 CFR 63.1207(f)(1)(viii), (f)(1)(ix), (f)(1)(x), (f)(1)(xi), (f)(1)(xii), (f)(1)(xv),
(13) 40 CFR 63.1207 (f)(1)(xvi) (f)(1)(xvii), (f)(1)(xix), (f)(1)(xxvi),

(14) 40 CFR 63.1207 (f)(1)(xxvii), (f)(2)(i), (f)(2)(ii), (f)(2)(iii), (f)(2)(v), (f)(2)(vi), (f)(2)(vii)
(15) 40 CFR 63.1207 (f)(2)(viii), (f)(2)(ix), (f)(2)(x)
(16) 40 CFR 63.1207 (g)(1)(i)(A), (g)(1)(i)(C), (g)(1)(ii), (g)(1)(iii), (g)(2)(i)
(17) 40 CFR 63.1207 (g)(2)(ii), (g)(2)(iii), (g)(2)(v)
(18) 40 CFR 63.1207 (h), (i), (j), (k), (l), (m)
(19) 40 CFR 63.1208 (a), (b)(1)(i)(A), (b)(1)(i)(B)(1), (b)(1)(i)(B)(2), (b)(1)(ii)
(20) 40 CFR 63.1208 (b)(1)(iii), (b)(2), (b)(3), (b)(4), (b)(5)(i), (b)(5)(ii), (b)(6), (b)(7)
(21) 40 CFR 63.1208 (b)(8), (b)(9)
(22) 40 CFR 63.1209 (a)(1)(i), (a)(1)(ii), (a)(1)(iii), (a)(1)(v)
(23) 40 CFR 63.1209 (a)(2), (a)(3), (a)(4), (a)(5), (a)(6), (a)(7)
(24) 40 CFR 63.1209 (b), (c), (d), (e), (f), (h), (i), (j), (k)(1)(i), (k)(2)(ii), (k)(3), (k)(4),
(25) 40 CFR 63.1209 (l)(1)(iii), (l)(1)(v)
(26) 40 CFR 63.1209 (m)(2), (n)(1), (n)(2)(i), (n)(2)(iii), (n)(2)(vi), (n)(2)(vii), (n)(3)
(27) 40 CFR 63.1209 (n)(4), (n)(5), (o)(1)(i), (o)(2)
(28) 40 CFR 63.1209 (p), (q), (r)
(29) 40 CFR 63.1210
(30) 40 CFR 63.1211
(31) 40 CFR 63.1212
(32) 40 CFR 63.1213
(33) 40 CFR 63.1214
(34) 40 CFR 63.1220 (a)(1), (a)(2), (a)(3), (a)(4), (a)(5)(ii)(A), (a)(6), (a)(7)
(35) 40 CFR 63.1220 (c), (f), (g), (h)
(36) Table 1 to Subpart EEE of Part 63
(37) Appendix to Subpart EEE of Part 63

E.4.3 National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry [40 CFR Part 63, Subpart LLL] [326 IAC 20-27] [40 CFR Part 63, Subpart EEE] [326 IAC 20-28]

Pursuant to 40 CFR 63.1206(b)(1), the emission standards and operating requirements set forth in 40 CFR 63, Subpart EEE apply at all times except;

(a) when hazardous waste is not in the combustion chamber (i.e., the hazardous waste feed to the combustor has been cut off for a period of time not less than the hazardous waste residence time) and the Permittee has documented in the operating record a change in mode of operation and compliance with the operating limits for that alternative mode of operation as described by 40 CFR 63.1204(d)(1)(ii); and in addition that the Permittee is complying with all otherwise applicable requirements and standards of the 40 CFR 40, Subpart LLL (National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry), which is included as Attachment E of this permit, in lieu of the emission standards under 63.1203, 63.1204, 63.1205, 63.1215, 63.1216, 63.1217, 63.1218, 63.1219, 63.1220, and 63.1221; the monitoring and compliance standards of 63.1206 though 63.1209 except for the modes of operation requirements of 63.1209(q); and the notification, reporting, and recordkeeping requirements of 63.1210 through 63.1212. If the Permittee does not document a change in the mode of operation when hazardous waste is not in the combustion chamber, the Permittee may choose to remain subject to the provisions of 40 CFR 63, Subpart EEE.

(b) When the Permittee is complying with Condition E.4.3(a) - National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry, the Permittee shall comply with the provisions of National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (included as Attachment F of this permit), which are incorporated by reference as 326 IAC 20-27, as specified as follows:

(1) 40 CFR 63.1340 (a), (b)(1), and (d)
(2) 40 CFR 63.1341

(3) 40 CFR 63.1342
(4) 40 CFR 63.1343 (a) and (b)
(5) 40 CFR 63.1344 (a), (b), (f), (g), and (h)
(6) 40 CFR 63.1349 (a)
(7) 40 CFR 63.1349 (b)(1)(i),(b)(1)(ii), (b)(1)(iii), and (b)(1)(v)
(8) 40 CFR 63.1349 (b)(3)(i), (b)(3)(ii), (b)(3)(iii), (b)(3)(v)
(9) 40 CFR 63.1349 (c), (d), and (e)
(10) 40 CFR 63.1350 (a)(1), (a)(2), and (a)(3)
(11) 40 CFR 63.1350 (b), (c)(1), (c)(3), (f), (i), (k), (l), (o), and (p)
(12) 40 CFR 63.1351 (a) and (c)
(13) 40 CFR 63.1353
(14) 40 CFR 63.1354
(15) 40 CFR 63.1355
(16) 40 CFR 63.1356(a)
(17) 40 CFR 63.1357
(18) 40 CFR 63.1358
(19) Table 1 of 40 CFR 63, Subpart LLL

SECTION E.5 FACILITY OPERATION CONDITIONS - National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry

Facility Description [326 IAC 2-7-5(14)] Note: Complete Descriptions are shown in Section A.2.

Kiln #1 Recycled CKD Operations
(33) #1 recycled dust elevator, identified as EU408.
(34) One (1) recycled dust holding tank, identified as EU409.
(35) One (1) feeder screw and F-K pump, identified as EU410.

Kiln #1 Waste CKD Operations
(36) Five (5) discharge hopper screws, identified as EU402.
(37) One (1) covered 16" cross screw, identified as EU403.
(38) One (1) #1 waste dust elevator, identified as EU404.
(39) One (1) 9" cross screw, identified as EU405.

Kiln #2 Recycled CKD Operations
(40) #2 recycled dust elevator, identified as EU417.
(41) One (1) recycled dust holding tank, identified as EU418.
(42) One (1) feeder screw and F-K pump, identified as EU419.

Kiln #2 Waste CKD Operations
(43) Five (5) discharge hopper screws, identified as EU414.
(44) 16" covered cross screws, identified as EU415.
(45) #2 waste dust elevator, identified as EU416.

Clay Processing Operations
(48) Clay unloading to hopper, identified as EU123.
(49) One (1) wobbler feeder for transferring clay to the log washer system, identified as EU124.
(50) One (1) log washer system, identified as EU125.

Crane Storage Facilities
(53) Three (3) limestone storage bins, identified as EU202.
(54) One (1) Missouri clay storage bin, identified as EU203.
(55) One (1) iron storage bin, identified as EU204.
(56) West flyash truck unloading utilizing pneumatic conveying, identified as EU210.
(57) One (1) inside west flyash holding tank, identified as EU211.
(58) East flyash truck unloading utilizing pneumatic conveying, identified as EU213.
(59) One (1) east flyash storage bin, identified as EU214.
(60) One (1) spare storage bin, identified as EU314.
(62) Two (2) gypsum storage bins, identified as EU316.
(63) Clinker bin 1 finish mill #1, identified as EU505.
(64) Stone/clinker bin 2 finish mill #1, identified as EU506.
(65) Clinker bin 3 finish mill #1, identified as EU507.
(66) Crane unloading, identified as EU510.
(67) Clinker bin 1 #2 finish mill, identified as EU520.
(68) Clinker bin 2 #2 finish mill, identified as EU521.

Raw Mill Facilities

(70) Three belt feeders, identified as EU205.
(71) One (1) Missouri clay belt feeder, identified as EU206.
(72) One (1) iron feeder, identified as EU207.
(73) One (1) covered cross belt, identified as EU208.
(74) One (1) covered raw mill feed belt, identified as EU209.
(75) Transfer screw to raw mill, identified as EU212.
(76) One (1) east short covered screw, identified as EU215.
(77) One (1) E-W long covered screw, identified as EU216.

Unloading Station Facilities

(78) Railroad unloading, identified as EU307.
(79) Two (2) unloading station hoppers, identified as EU308a and EU308b.
(80) One (1) belt feeder, identified as EU309.
(81) Belt 7 covered conveyor, identified as EU310.
(82) Conveyor transfer to outside storage, identified as EU311.
(83) Crane unloading, identified as EU325.

Fossil Fuel Facilities

(84) One (1) spare belt feeder to belt 8, identified as EU317, constructed in 1962.
(85) One (1) coal/coke belt feeder to belt 8, identified as EU318, constructed in 1962.
(86) Belt 8 to coal/coke tanks, identified as EU319, constructed in 1962.
(87) One (1) coal/coke tank #1, identified as EU320, constructed in 1962.
(88) Belt feed to coal mill #1, identified as EU321, constructed in 1962.
(89) Coal/Coke cross belt, identified as EU322, constructed in 1962.
(90) One (1) coal/coke tank #2, identified as EU323, constructed in 1962.
(91) Belt feed to coal mill #2, identified as EU324, constructed in 1962.

Kiln #1 Clinker Handling Facilities

(92) One (1) #1 clinker drag conveyor, identified as EU501.
(93) #1 CCDC screws, identified as EU502.
(94) #1 clinker elevator, identified as EU503.
(95) Clinker conveyor transfer system, identified as EU504.

Kiln #2 Clinker Handling Facilities

(96) #2 clinker drag conveyor, identified as EU516.
(97) #2 CCDC screw conveyor, identified as EU517.
(98) #2 clinker elevator, identified as EU518.
(99) Clinker conveyor transfer system circuit, identified as EU519.

Finish Mill #1 Facilities

(100) Clinker bin #1 feeder, identified as EU508.
(101) Stone/clinker bin 2 feeder, identified as EU509.
(102) One (1) gypsum feed belt, identified as EU511.
(103) One (1) finish mill #1 feed belt, identified as EU601.
(104) One (1) finish mill #1 circuit, identified as EU602.
(105) One (1) separator, cooler #1 and transfer, identified as EU603.

Finish Mill #2 Facilities

(106) Clinker bin 1 feeder, identified as EU523.
(107) Clinker bin 2 feeder, identified as EU524.
(108) FM #2 gypsum feeder, identified as EU525.
(109) One (1) finish mill #2 feed belt, identified as EU604.
(110) One (1) finish mill #2 circuit, identified as EU605.
(111) One (1) separator, cooler #2 and transfer, identified as EU606.

Finish Product Silo Storage Facilities
(112) Silos 11/12/13/14/15/16/17/18, identified as EU704.
(113) Silos 1/2/3/4/5/6/7 identified as EU709.
(114) Silos 8/9/10, identified as EU711.

Finish Product Silo Transfer Operations
(115) Truck/Railroad car unloading and internal transfers to silos, identified as EU701 and EU702.

Finish Product Loadout Old Silos (West) Operation
(116) West bulk truck loadout, identified as EU712.
(117) Bulk railroad loadout, identified as EU713.

Finish Product Loadout New Silos (East) Operation
(118) East bulk truck loadout, identified as EU706.

Finish Product Masonry Packing
(119) Transfer to masonry packer, identified as EU801.
(120) One (1) masonry packer, identified as EU802.
(121) Transfer to pallets/storage (masonry), identified as EU803.

Finish Product Portland Packing
(122) Transfer to portland packer, identified as EU804.
(123) One (1) portland packer, identified as EU805.
(124) Transfer to pallets/storage (portland), identified as EU806.

CKD –To-Finish Mill (CKD2FM) Recycling Operations
(129) One (1) waste dust tank, and one (1) CKD2FM surge system, collectively identified as EU406.
(130) One (1) CKD2FM recycling storage tank system, identified as EU902.
(131) One (1) CKD2FM #1 FM recycling system, identified as EU903.
(132) One (1) CKD2FM #2 FM recycling system, identified as EU904.

Note: 40 CFR 63, Subpart LLL does not apply to open/unenclosed material stockpiles and haul roads associated with the above emissions processes.

The clinker cooler #1 facilities
(127) One (1) clinker cooler #1, identified as EU412.

The clinker cooler #2 facilities
(128) One (1) clinker cooler #2, identified as EU421.

Insignificant Activities
Raw mill #1
Raw mill #2

(The information describing the processes contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements [326 IAC 2-7-5(1)]

E.5.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [40 CFR Part 63, Subpart A] [326 IAC 20-1]

(a) Pursuant to 40 CFR 63, Subpart LLL, the Permittee shall comply with the provisions of 40 CFR Part 63 Subpart A - General Provisions, which are incorporated by reference as 326 IAC 20-1-1, except as otherwise specified in 40 CFR Part 63, Subpart LLL.

(b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

E.5.2 National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry [40 CFR Part 63, Subpart LLL] [326 IAC 20-27]

(a) Pursuant to 40 CFR Part 63, Subpart LLL, until September 9, 2013, the Permittee shall comply with the provisions of National Emission Standards for Hazardous Air Pollutants from the Portland Cement Manufacturing Industry (included as Attachment E of this permit), which are incorporated by reference as 326 IAC 20-27, that were in effect or became effective December 20, 2006, as published at 64 FR 31925-31962 (June 14, 1999), as amended at 64 FR 53070 (Sept. 30 1999), 67 FR 16619-16624 (April 5, 2002), 67 FR 44769 (July 5, 2002), 67 FR 72584-72585 (Dec. 6, 2002), 68 FR 37358 (June 23, 2003), 71 FR 76549-76552 (Dec. 20, 2006), as specified as follows:

Group 1 Emissions Units

- Kiln #1 Recycled CKD Operations
- Kiln #1 Waste CKD Operations
- Kiln #2 Recycled CKD Operations
- Kiln #2 Waste CKD Operations
- Clay Processing Operations
- Crane Storage Facilities (except EU315)
- Raw Mill Facilities
- Unloading Station Facilities
- Fossil Fuel Facilities
- Kiln #1 Clinker Handling Facilities
- Kiln #2 Clinker Handling Facilities
- Finish Mill #1 Facilities (as follows)
  - Clinker bin #1 feeder, identified as EU508
  - Stone/clinker bin 2 feeder, identified as EU509
  - One (1) gypsum feed belt, identified as EU511
- Finish Mill #2 Facilities (as follows)
  - Clinker bin 1 feeder, identified as EU523
  - Clinker bin 2 feeder, identified as EU524
  - FM #2 gypsum feeder, identified as EU525
- Finish Product Silo Storage Facilities
- Finish Product Silo Transfer Operations
- Finish Product Loadout Old Silos (West) Operation
- Finish Product Loadout New Silos (East) Operation
- Finish Product Masonry Packing
- Finish Product Portland Packing

- CKD –To-Finish Mill (CKD2FM) Recycling Operations

Note: Open/unenclosed material stockpiles and haul roads associated with the Group 1 Emissions Units are not subject the requirements of 40 CFR 63, Subpart LLL.

Group 2 Emissions Units

- Finish Mill #1 Facilities (as follows)
  - One (1) finish mill #1 feed belt, identified as EU601
  - One (1) finish mill #1 circuit, identified as EU602
  - One (1) separator, cooler #1 and transfer, identified as EU603
- Finish Mill #2 Facilities (as follows)
  - One (1) finish mill #2 feed belt, identified as EU604
  - One (1) finish mill #2 circuit, identified as EU605
  - One (1) separator, cooler #2 and transfer, identified as EU606
- Raw Mill #1 (Insignificant Activity)
- Raw Mill #2 (Insignificant Activity)

Group 3 Emissions Units

- One (1) clinker cooler #1, identified as EU412
- One (1) clinker cooler #2, identified as EU421

	Group 1 Emissions Units	Group 2 Emissions Units	Group 3 Emissions Units
40 CFR 63.1340	applicable	applicable	applicable
40 CFR 63.1341	applicable	applicable	applicable
40 CFR 63.1342	applicable	applicable	applicable
40 CFR 63.1345	--	--	applicable
40 CFR 63.1347	--	applicable	--
40 CFR 63.1348	applicable	--	--
40 CFR 63.1349(a)	applicable	applicable	applicable
40 CFR 63.1349(b)(1)(i), (b)(1)(v), and (c)	--	--	applicable
40 CFR 63.1349(b)(2) and (c)	applicable	applicable	--
40 CFR 63.1350(a)(1), (a)(2), (a)(4), (b), and (i)	applicable	--	--
40 CFR 63.1350(a)(1), (a)(2), and (b)	--	applicable	applicable
40 CFR 63.1350(d)(1) and (3)	--	--	applicable
40 CFR 63.1350(e) and (m)	--	applicable	--
40 CFR 63.1351(a) and (b)	applicable	applicable	applicable
40 CFR 63.1353	applicable	applicable	applicable
40 CFR 63.1354(a), (b)(1), (2), (3), (4), (5), (6), and (7)	applicable	applicable	applicable
40 CFR 63.1355	applicable	applicable	applicable
40 CFR 63.1356	applicable	applicable	applicable
40 CFR 63.1358	applicable	applicable	applicable
Table 1 to Subpart LLL of Part 63	applicable	applicable	applicable

(b) Pursuant to 40 CFR Part 63, Subpart LLL, on and after September 9, 2013, the above affected facilities are subject to the following requirements of the National Emissions Standards for Hazardous Air Pollutants (NESHAP) for the Portland Cement Manufacturing Industry (40 CFR 63, Subpart LLL) (included as Attachment F of this permit) as published at 64 FR 31925-31962 (June 14, 1999), as amended at 64 FR 53070 (Sept. 30 1999), 67 FR 16619-16624 (April 5, 2002), 67 FR 44769 (July 5, 2002), 67 FR 72584-72585 (Dec. 6, 2002), 68 FR 37358 (June 23, 2003), 71 FR 76549-76552 (Dec. 20, 2006), 75 FR 55051-55066 (Sept. 9, 2010), and 76 FR 2835-2837 (Jan. 18, 2011):

(1) 40 CFR 63.1340
(2) 40 CFR 63.1341
(3) 40 CFR 63.1342
(4) 40 CFR 63.1343 (a)
(5) 40 CFR 63.1343 (b)(1) Table 1: Lines 1 - 4, 9 - 10, and 13 - 16.
(6) 40 CFR 63.1343 (b)(2)
(7) 40 CFR 63.1343 (c), and (d)
(8) 40 CFR 63.1343 (e) Table 2: Lines 1, 3, 5, 6, and 8.
(9) 40 CFR 63.1344
(10) 40 CFR 63.1345
(11) 40 CFR 63.1346 (a), (b), and (f)
(12) 40 CFR 63.1347
(13) 40 CFR 63.1348 (applicable portions to be determined prior to September 2013)
(14) 40 CFR 63.1349(a)
(15) 40 CFR 63.1349(b)(1)
(16) 40 CFR 63.1349 (b)(2) and (b)(3)
(17) 40 CFR 63.1350(a)
(18) 40 CFR 63.13450 (b) and (d)
(19) 40 CFR 63.13450 (f)(1), (f)(2), and (f)(3)
(20) 40 CFR 63.1350 (f)(4) and (g)
(21) 40 CFR 63.1350 (h), (i), and (j)
(22) 40 CFR 63.1350 (k) and (l)
(23) 40 CFR 63.1350 (m)
(24) 40 CFR 63.1350(n)
(25) 40 CFR 63.1350(o)
(26) 40 CFR 63.1350(p)
(27) 40 CFR 63.1351
(28) 40 CFR 63.1352
(29) 40 CFR 63.1353
(30) 40 CFR 63.1354 (a), (b)(1) through (b)(8)
(31) 40 CFR 63.1354 (9)(i) through (9)(v)
(32) 40 CFR 63.1354(9)(vi)
(33) 40 CFR 63.1354(10)
(34) 40 CFR 63.1354(c)
(35) 40 CFR 63.1355 (a) through (d)
(36) 40 CFR 63.1355 (e), (f), and (g)
(37) 40 CFR 63.1356
(38) 40 CFR 63.1357
(39) 40 CFR 63.1358
(40) 40 CFR 63.1359: Table 1 to Subpart LLL of Part 63 - Applicability of General Provisions (applicable portions)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Essroc Cement Corporation
Source Address: State Road 25 South, 3084 W. C.R. 225 South, Logansport, Indiana
Part 70 Permit Renewal No.: T017-26351-00005

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

☐ Annual Compliance Certification Letter

☐ Test Result (specify) _____

☐ Report (specify) _____

☐ Notification (specify) _____

☐ Affidavit (specify) _____

☐ Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name:	Essroc Cement Corporation
Source Address:	State Road 25 South, 3084 W. C.R. 225 South, Logansport, Indiana
Part 70 Permit Renewal No.:	T017-26351-00005

This form consists of 2 pages

☐ This is an emergency as defined in 326 IAC 2-7-1(12)

- The Permittee must notify the Office of Air Quality (OAQ), within four (4) daytime business hours (1-800-451-6027 or 317-233-0178, ask for Compliance and Enforcement Branch); and
- The Permittee must submit notice by mail or facsimile within two (2) working days (Facsimile Number: 317-233-5967), and follow the other requirements of 326 IAC 2-7-16.

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A

Page 2 of 2

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe: Type of Pollutants Emitted: TSP, PM-10, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

Part 70 Quarterly Report for Use When Combusting Only Coal

Source Name:	Essroc Cement Corporation
Source Address:	State Road 25 South, 3084 W. C.R. 225 South, Logansport, Indiana
Part 70 Permit Renewal No.:	T017-26351-00005
Facility:	Kilns #1 and 2
Parameter:	Sulfur Dioxide (SO2) emissions from the combustion of coal
Limit:	6.0 pounds per million Btu heat input

FACILITY: _____ YEAR: _____.

Month	Monthly Average Coal Sulfur Content (%)	Monthly Average Coal Heat Content (MMBtu/lb)	Coal Consumption (tons)	Equivalent Sulfur Dioxide Emissions (lbs/MMBtu)

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on: _____.

Submitted by: _____.
Title / Position: _____.
Signature: _____.
Date: _____.
Phone: _____.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

Part 70 Quarterly Report for Use When Combusting Only Fuel Oil

Source Name:	Essroc Cement Corporation
Source Address:	State Road 25 South, 3084 W. C.R. 225 South, Logansport, Indiana
Part 70 Permit Renewal No.:	T017-26351-00005
Facility:	Kilns #1 and 2
Parameter:	Sulfur Dioxide (SO2) emissions from fuel oil combustion
Limit:	0.5 pounds per million Btu heat input

FACILITY: _____ YEAR: _____.

Month	Monthly Average Fuel Oil Sulfur Content (%)	Monthly Average Fuel Oil Heat Content (MMBtu/lb)	Fuel Oil Consumption (Gallons)	Equivalent Sulfur Dioxide Emissions (lbs/MMBtu)

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on: _____.

Submitted by: _____.
Title / Position: _____.
Signature: _____.
Date: _____.
Phone: _____.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

Part 70 Quarterly Report for Use When Combusting Only Residual Oil

Source Name: Essroc Cement Corporation
Source Address: State Road 25 South, 3084 W. C.R. 225 South, Logansport, Indiana
Part 70 Permit Renewal No.: T017-26351-00005
Facility: Kilns #1 and 2
Parameter: Sulfur Dioxide (SO2) emissions from residual oil combustion
Limit: 1.6 pounds per million Btu heat input

FACILITY: _____ YEAR: _____

Month	Monthly Average Residual Oil Sulfur Content (%)	Monthly Average Residual Oil Sulfur Heat Content (MMBtu/lb)	Residual Oil Sulfur Consumption (Gallons)	Equivalent Sulfur Dioxide Emissions (lbs/MMBtu)

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

Part 70 Quarterly Report for Use When Combusting Coal and/or Fuel Oil and/or Residual Oil Simultaneously

Source Name:	Essroc Cement Corporation
Source Address:	State Road 25 South, 3084 W. C.R. 225 South, Logansport, Indiana
Part 70 Permit Renewal No.:	T017-26351-00005
Facility:	Kilns #1 and 2
Parameter:	Sulfur Dioxide (SO_2) emissions from the simultaneous combustion of coal and oil
Limit:	6.0 pounds per million Btu heat input

Compliance with the SO2 limit shall be determined using the following equation:

SO_2 emissions (lbs/MMBtu) = (fuel oil usage x EF coefficient x fuel oil sulfur content + residual oil usage x EF coefficient x residual oil sulfur content + coal usage x EF coefficient x coal sulfur content) / (fuel oil usage x HHV fuel oil + residual oil usage x HHV residual oil + coal usage x HHV coal).

FACILITY: _____ YEAR: _____.

Month	Monthly Average Sulfur Content (%)			Monthly Average Heat Content (MMBtu/lb)			Fuel Consumption			Equivalent Sulfur Dioxide Emissions (lbs/MMBtu)			
	Coal	Fuel Oil	Res. Oil	Coal	Fuel Oil	Res. Oil	Coal	Fuel Oil	Res. Oil	Coal	Fuel Oil	Res. Oil	Total

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on: _____.

Submitted by: _____.
Title / Position: _____.
Signature: _____.
Date: _____.
Phone: _____.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

Part 70 Quarterly Report for CKD Throughput EU902 to EU904

Source Name: Essroc Cement Corporation
Source Address: State Road 25 South, 3084 W. C.R. 225 South, Logansport, Indiana
Part 70 Permit Renewal No.: T017-26351-00005
Facility: CKD2FM recycling storage tank system (EU902)
CKD2FM #1 FM (EU903) and CKD2FM #2 FM (EU904)
Parameter: Cement Kiln Dust (CKD) throughput
Limit: 65,000 tons per twelve (12) consecutive month period for EU902.
65,000 tons per twelve (12) consecutive month period for EU903 and EU904 combined.

FACILITY: _____ YEAR: _____

Monthly CKD throughput (tons)					
CKD2FM recycling storage tank system (EU902)			CKD2FM #1 FM (EU903) and CKD2FM #2 FM (EU904) (Combined)		
This Month	Previous 11 Months	12 Month Total	This Month	Previous 11 Months	12 Month Total

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on: _____

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Essroc Cement Corporation
Source Address: State Road 25 South, 3084 W. C.R. 225 South, Logansport, Indiana
Part 70 Permit Renewal No.: T017-26351-00005

Months: _____ **to** _____ **Year:** _____

This report shall be submitted quarterly based on a calendar year. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of paragraph (a) of Section C-General Reporting. Any deviation from the requirements of this permit, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. Deviations that are required to be reported by an applicable requirement shall be reported according to the schedule stated in the applicable requirement and do not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".
☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.
☐ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD
Permit Requirement (specify permit condition #)
Date of Deviation: **Duration of Deviation:**
Number of Deviations:
Probable Cause of Deviation:
Response Steps Taken:
Permit Requirement (specify permit condition #)
Date of Deviation: **Duration of Deviation:**
Number of Deviations:
Probable Cause of Deviation:
Response Steps Taken:

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____